LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.481	572	577	581	rBV2	369974	578723	9.33%	0.651%
2	5.516	581	583	589	rVB	1369737	1199179	19.34%	1.348%
3	5.740	618	621	628	rVV2	205991	267579	4.31%	0.301%
4	5.804	628	632	640	rVB	1169374	991920	16.00%	1.115%
5	5.922	644	652	655	rBV	237691	272199	4.39%	0.306%
6	6.057	670	675	679	rVB4	180504	262020	4.23%	0.295%
7	6.145	684	690	696	rVV2	445206	669655	10.80%	0.753%
8	6.334	717	722	727	rBV3	245009	392732	6.33%	0.442%
9	6.392	730	732	734	rVV	411228	312465	5.04%	0.351%
10	6.422	734	737	740	rVV3	508756	570254	9.20%	0.641%
11	6.487	744	748	751	rVV2	303085	364082	5.87%	0.409%
12	6.528	751	755	760	rVV	1384909	1351971	21.80%	1.520%
13	6.592	764	766	769	rVB	263729	210130	3.39%	0.236%
14	6.634	769	773	775	rBV2	273025	368097	5.94%	0.414%
15	6.663	775	778	784	rVB	1487839	1464835	23.62%	1.647%
16	6.728	784	789	792	rBV2	1453095	1322601	21.33%	1.487%
17	6.828	800	806	808	rBV4	86843	152811	2.46%	0.172%
18	6.886	813	816	818	rBV	891970	792677	12.78%	0.891%
19	6.963	824	829	834	rBV	598392	747706	12.06%	0.841%
20	7.004	834	836	839	rVV	469160	435578	7.02%	0.490%
21	7.045	839	843	846	rVV2	1332534	1308508	21.10%	1.471%
22	7.163	861	863	866	rVB	244589	224885	3.63%	0.253%
23	7.286	878	884	887	rBV3	168559	211802	3.42%	0.238%
24	7.422	903	907	908	rBV2	278792	271856	4.38%	0.306%
25	7.439	908	910	913	rVV	749353	692693	11.17%	0.779%
26	7.486	916	918	922	rVB	359803	293199	4.73%	0.330%
27	7.534	922	926	930	rVB4	143195	214849	3.46%	0.242%
28	7.592	930	936	939	rBV4	86816	173621	2.80%	0.195%
29	7.816	972	974	977	rVV3	159803	158212	2.55%	0.178%
30	8.169	1029	1034	1036	rBV	1001109	947003	15.27%	1.065%
31	8.192	1036	1038	1041	rVV	284883	247467	3.99%	0.278%
32	8.233	1041	1045	1047	rVB2	264676	254402	4.10%	0.286%
33	8.463	1078	1084	1088	rVB8	154669	194792	3.14%	0.219%
34	8.592	1103	1106	1108	rBV	313208	237555	3.83%	0.267%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.192	1205	1208	1213	rVB	399514	347700	5.61%	0.391%
36	9.245	1213	1217	1220	rBV	1279566	1168663	18.85%	1.314%
37	9.333	1227	1232	1236	rBV4	178285	303473	4.89%	0.341%
38	9.516	1259	1263	1266	rBV2	140613	162956	2.63%	0.183%
39	9.586	1272	1275	1277	rBV2	426609	351785	5.67%	0.395%
40	9.651	1281	1286	1288	rBV3	418403	550864	8.88%	0.619%
41	9.704	1292	1295	1299	rBV	233187	256587	4.14%	0.288%
42	9.786	1307	1309	1314	rBV2	216863	245631	3.96%	0.276%
43	9.839	1314	1318	1321	rVV4	171262	199728	3.22%	0.225%
44	9.927	1327	1333	1336	rBV2	1331583	1269980	20.48%	1.428%
45	9.963	1336	1339	1342	rBV	1089323	935112	15.08%	1.051%
46	9.992	1342	1344	1348	rVB4	160132	174448	2.81%	0.196%
47	10.033	1348	1351	1355	rVB3	150872	198751	3.21%	0.223%
48	10.086	1355	1360	1363	rBV3	269074	406802	6.56%	0.457%
49	10.127	1363	1367	1371	rVB3	328302	405752	6.54%	0.456%
50	10.169	1371	1374	1376	rBV	213806	232683	3.75%	0.262%
51	10.245	1384	1387	1389	rBV	326763	301015	4.85%	0.338%
52	10.275	1389	1392	1394	rVV2	178409	184705	2.98%	0.208%
53	10.339	1399	1403	1408	rBV6	304678	524987	8.47%	0.590%
54	10.475	1422	1426	1431	rBV	1335262	1412577	22.78%	1.588%
55	10.527	1432	1435	1436	rVV2	273750	281593	4.54%	0.317%
56	10.563	1439	1441	1442	rVV2	433082	393263	6.34%	0.442%
57	10.580	1442	1444	1447	rVV	675042	729231	11.76%	0.820%
58	10.633	1450	1453	1457	rVB3	332531	469913	7.58%	0.528%
59	10.716	1465	1467	1470	rBV	950397	789141	12.73%	0.887%
60	10.845	1486	1489	1495	rVB	1486782	1471440	23.73%	1.654%
61	11.027	1515	1520	1522	rBV2	513200	693615	11.19%	0.780%
62	11.057	1522	1525	1528	rVV2	682655	711670	11.48%	0.800%
63	11.110	1532	1534	1536	rVB	411523	295808	4.77%	0.333%
64	11.316	1565	1569	1572	rVB	2434165	2200915	35.49%	2.474%
65	11.422	1584	1587	1588	rBV	1065005	935081	15.08%	1.051%
66	11.451	1588	1592	1595	rVV	4407758	4307278	69.46%	4.842%
67	11.498	1597	1600	1602	rVB	1559678	1199212	19.34%	1.348%
68	11.533	1602	1606	1608	rBV2	262534	352135	5.68%	0.396%
69	11.663	1626	1628	1631	rBV3	527061	548052	8.84%	0.616%
70	11.751	1640	1643	1649	rVB2	1199317	1389735	22.41%	1.562%
71	11.833	1654	1657	1660	rBV	516425	607696	9.80%	0.683%

LSC Area Percent Report

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Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.927	1670	1673	1675	rBV	1239467	1149771	18.54%	1.293%
73	11.951	1675	1677	1682	rVB	1795346	1831047	29.53%	2.059%
74	11.998	1682	1685	1688	rBV	740211	877435	14.15%	0.986%
75	12.039	1688	1692	1694	rBV2	2126846	2646278	42.67%	2.975%
76	12.063	1694	1696	1699	rVB	1767575	1412576	22.78%	1.588%
77	12.163	1710	1713	1719	rBV4	522682	947562	15.28%	1.065%
78	12.216	1719	1722	1725	rBV	949285	927164	14.95%	1.042%
79	12.280	1731	1733	1737	rBV2	393615	523141	8.44%	0.588%
80	12.368	1743	1748	1750	rBV2	707118	975920	15.74%	1.097%
81	12.404	1751	1754	1759	rVB2	1045051	1305632	21.05%	1.468%
82	12.480	1764	1767	1769	rVV	926865	876043	14.13%	0.985%
83	12.645	1791	1795	1798	rVB	4249930	4376335	70.57%	4.920%
84	12.680	1798	1801	1804	rBV2	1427249	1363141	21.98%	1.532%
85	12.792	1818	1820	1823	rBV2	638839	791502	12.76%	0.890%
86	12.880	1829	1835	1839	rBV	4797969	6201205	100.00%	6.972%
87	13.004	1853	1856	1859	rVB2	1259791	1289702	20.80%	1.450%
88	13.086	1868	1870	1877	rVB3	1063948	1611079	25.98%	1.811%
89	13.198	1887	1889	1893	rVB	1553117	1371158	22.11%	1.541%
90	13.268	1898	1901	1905	rVV2	1276647	1573149	25.37%	1.769%
91	13.304	1905	1907	1910	rVB	751569	653822	10.54%	0.735%
92	13.398	1921	1923	1926	rVB	726222	584139	9.42%	0.657%
93	13.427	1926	1928	1931	rBV	736100	737977	11.90%	0.830%
94	13.815	1992	1994	1997	rBV	561995	751095	12.11%	0.844%
95	14.063	2033	2036	2039	rBV2	2428934	3026687	48.81%	3.403%
96	14.098	2039	2042	2046	rVB	2276088	2193139	35.37%	2.466%
97	15.127	2214	2217	2220	rBV	871542	1155325	18.63%	1.299%
98	15.504	2277	2281	2286	rVB	966625	1222941	19.72%	1.375%
99	17.521	2617	2624	2634	rBV	367632	1209619	19.51%	1.360%
100	17.945	2693	2696	2697	rBV2	161216	197833	3.19%	0.222%

Sum of corrected areas: 88950452

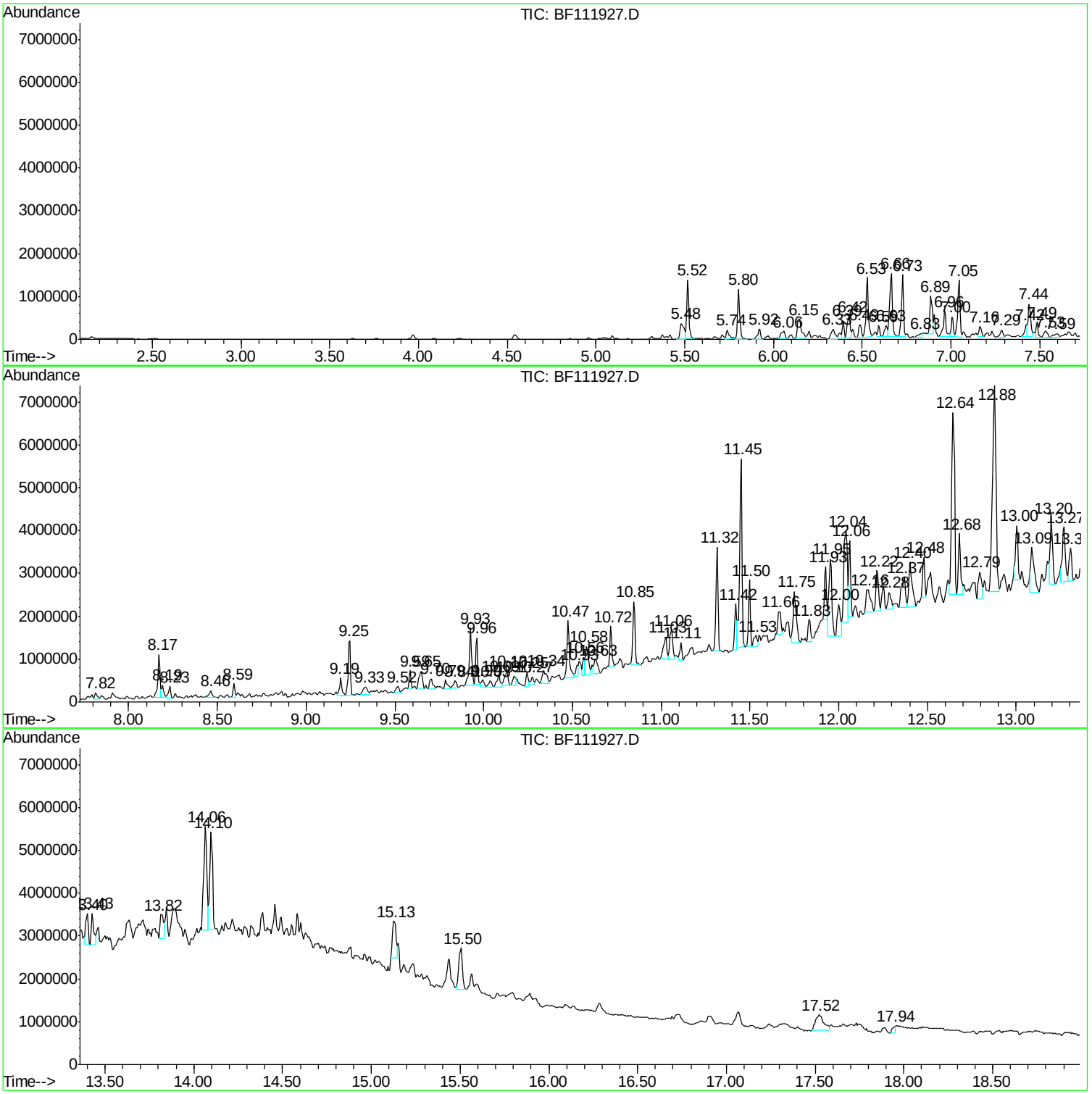
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

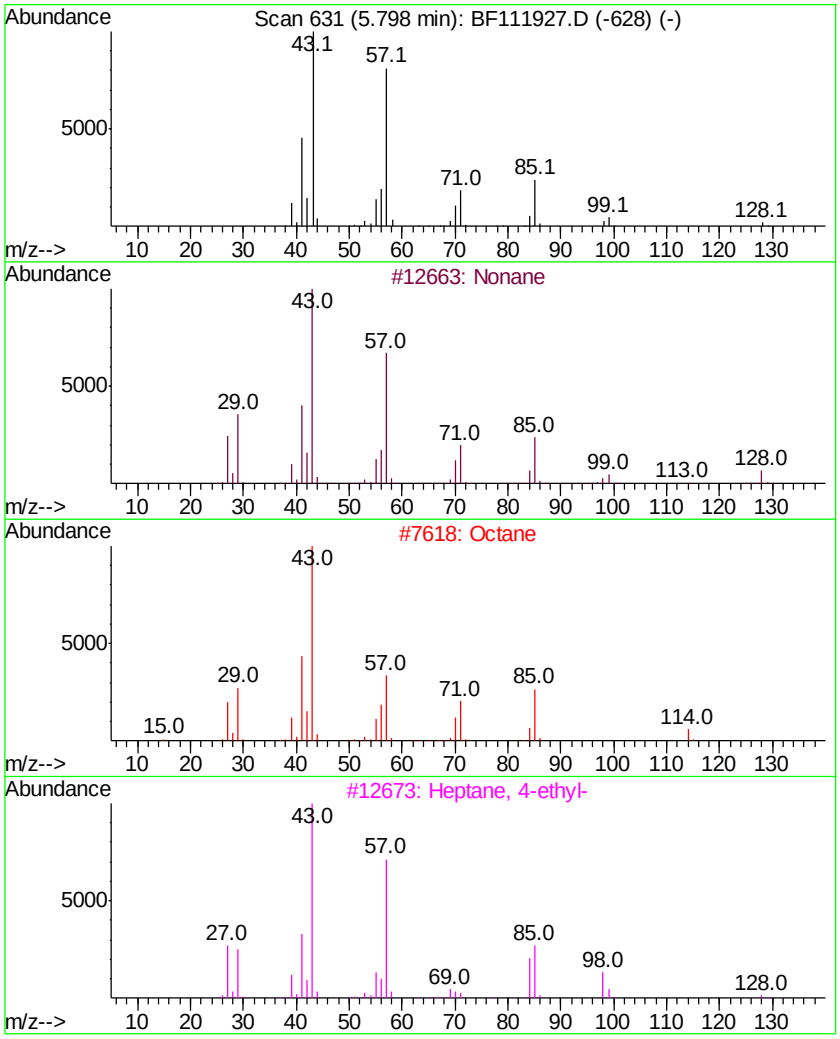
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

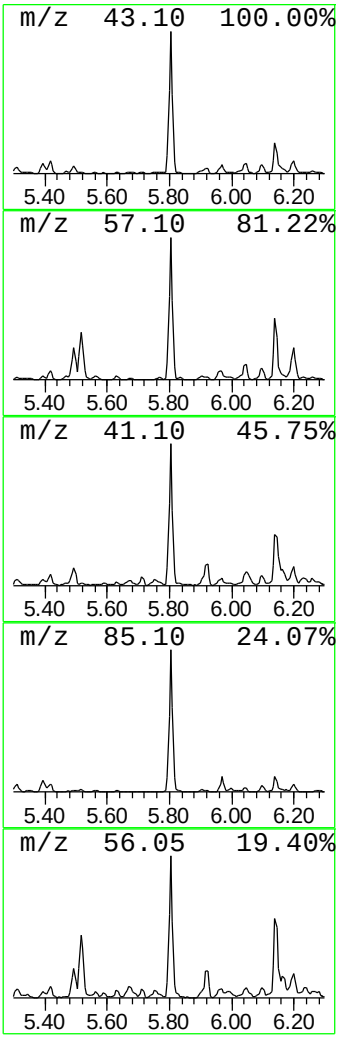
****

Peak Number 1 Nonane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.80	25.03 ng	991920	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	90
2	Octane	114	C8H18	000111-65-9	64
3	Heptane, 4-ethyl-	128	C9H20	002216-32-2	58
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

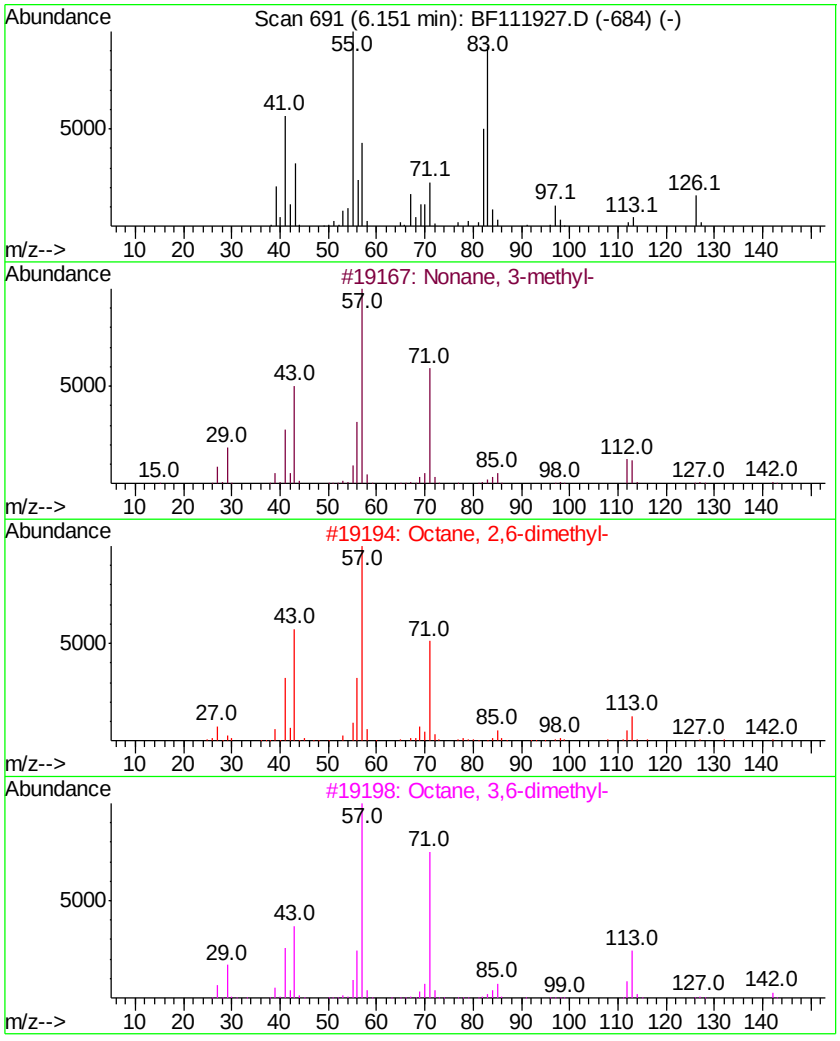
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

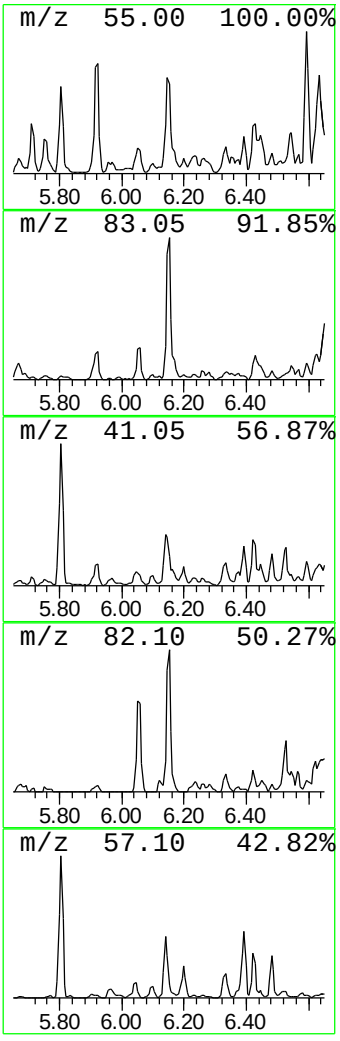
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.15	16.90 ng	669655	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	38
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	38
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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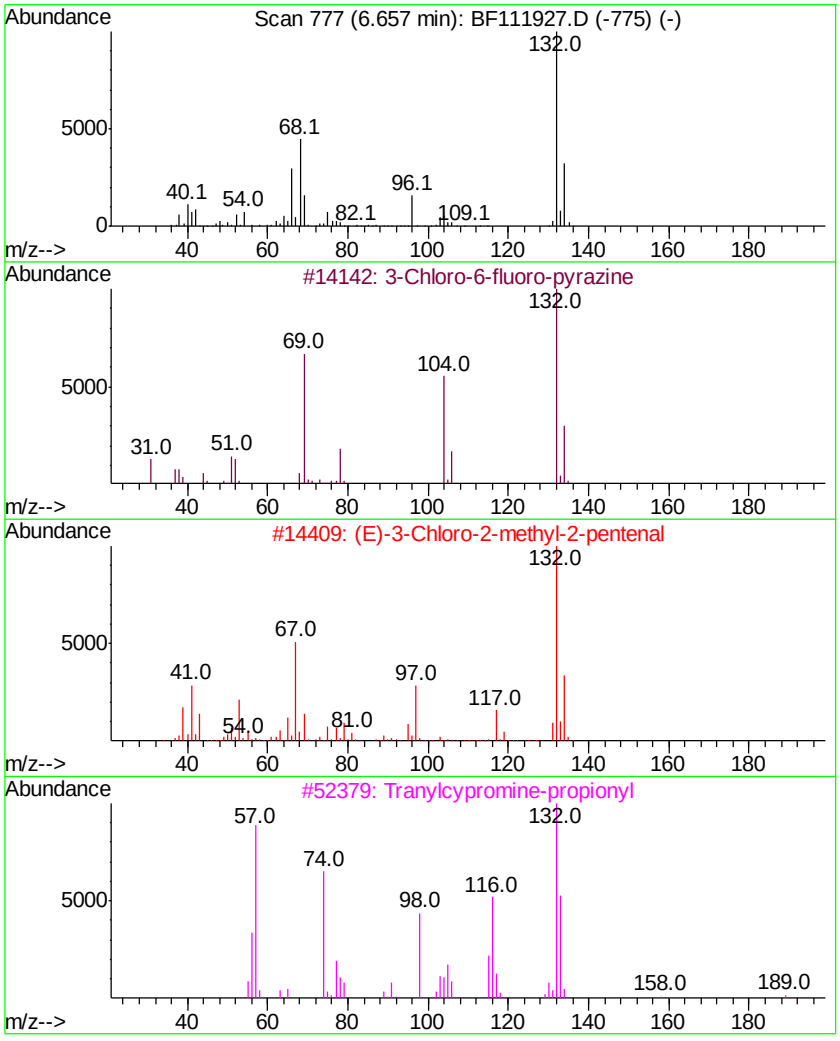
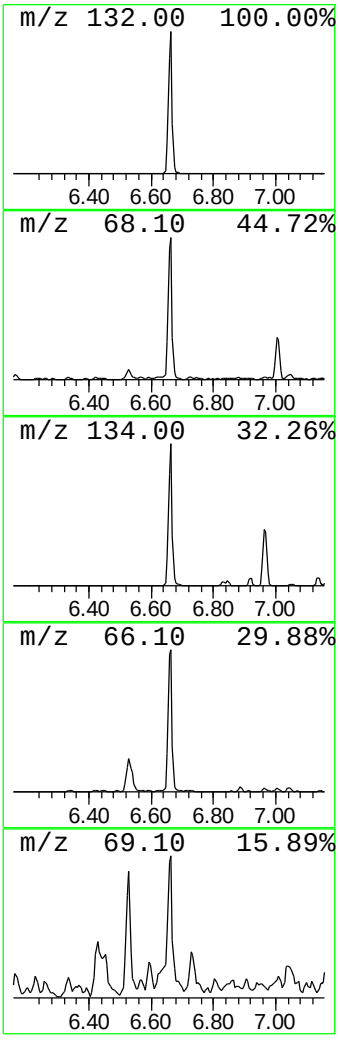
Peak Number 3 unknown6.66 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	36.96 ng	1464840	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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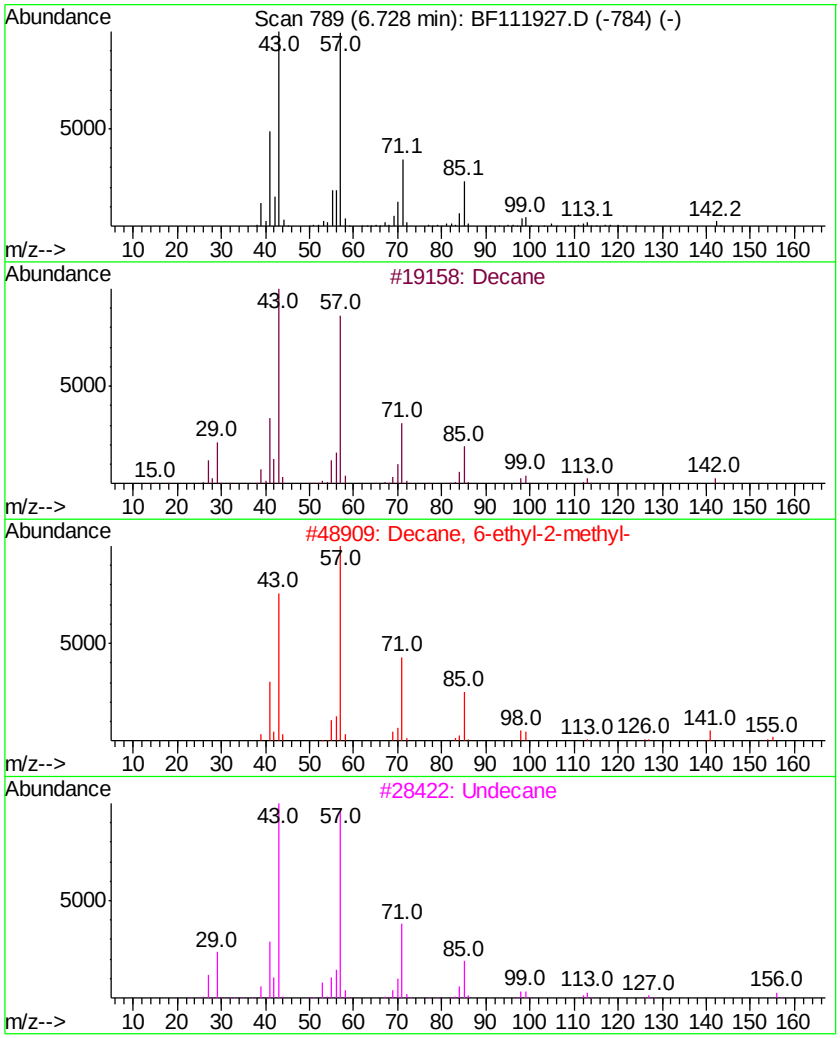
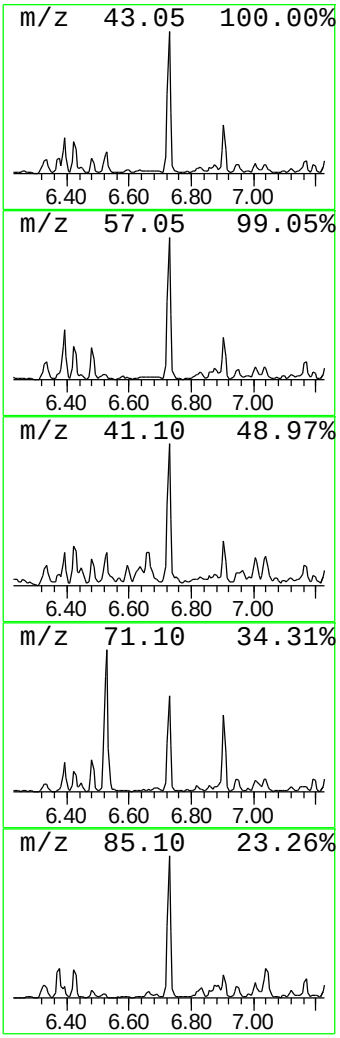
Peak Number 4 Decane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	33.37 ng	1322600	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	90
2	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	78
3	Undecane	156	C11H24	001120-21-4	78
4	Nonane	128	C9H20	000111-84-2	78
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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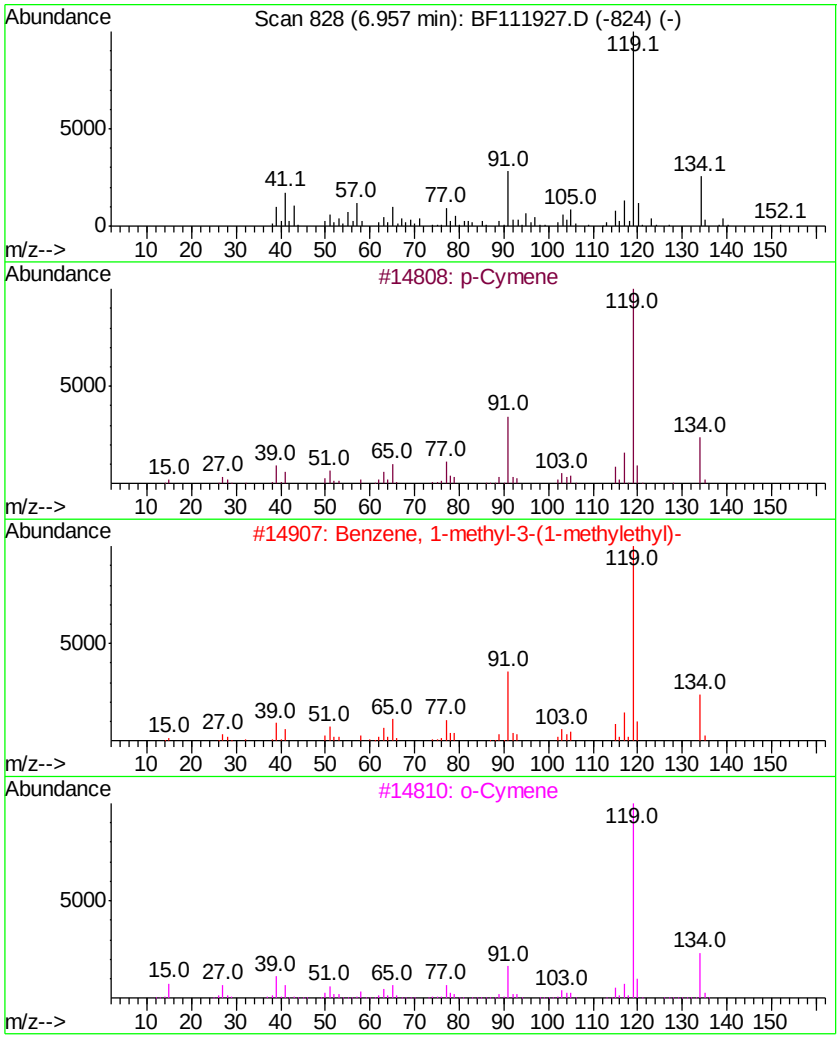
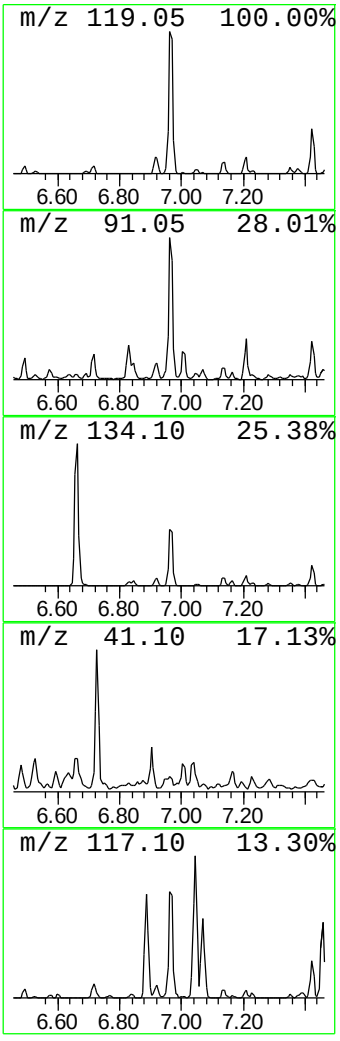
Peak Number 5 p-Cymene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	18.87 ng	747706	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

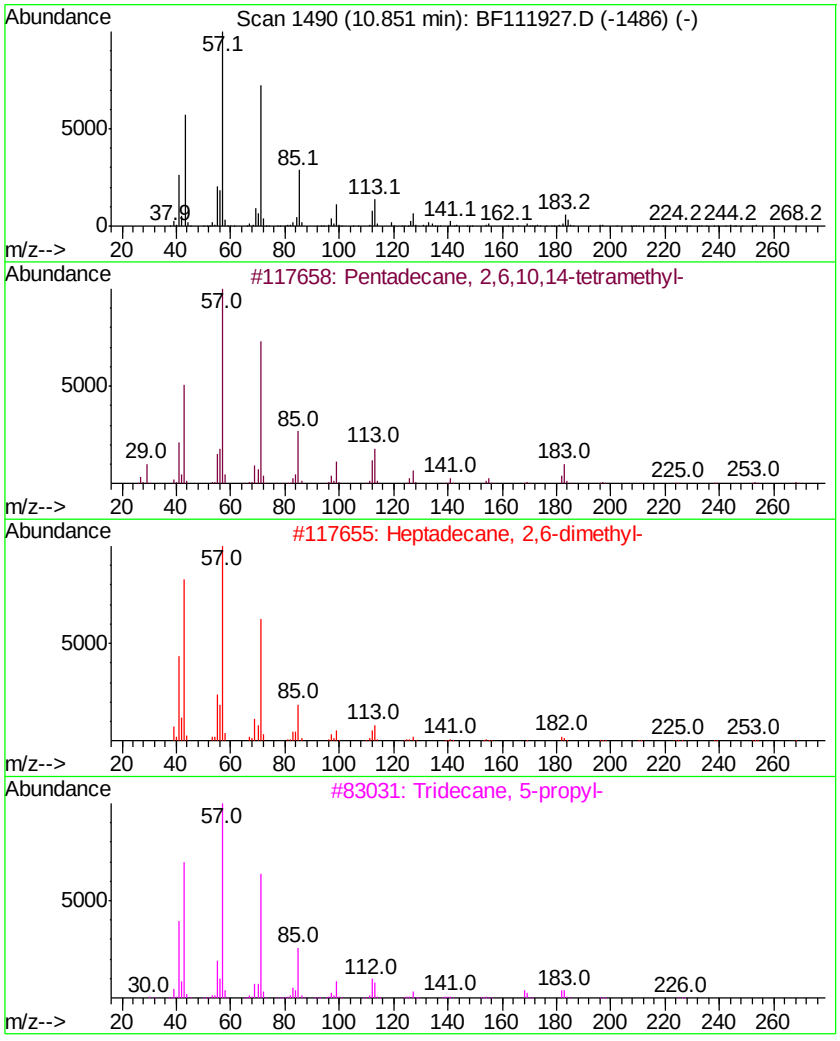
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

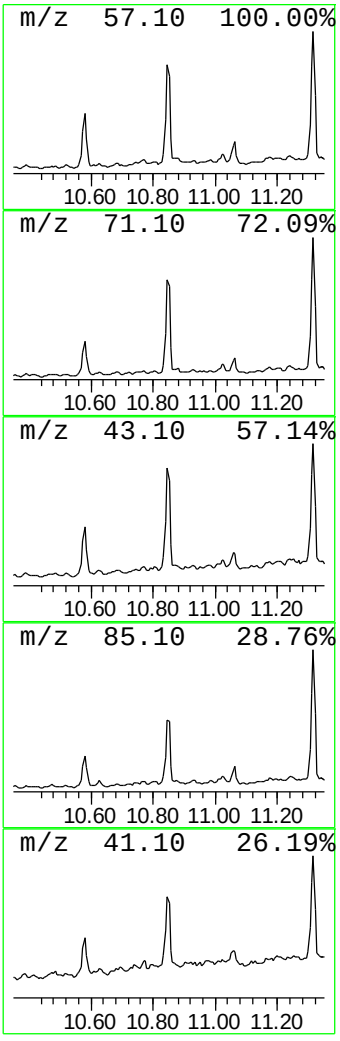
****

Peak Number 7 Pentadecane, 2,6,10,14-tetr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	31.47 ng	1471440	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
2	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	80
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	74
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72





Library Search Compound Report

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Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

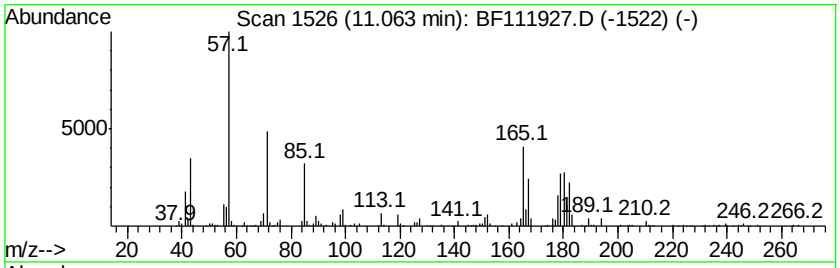
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

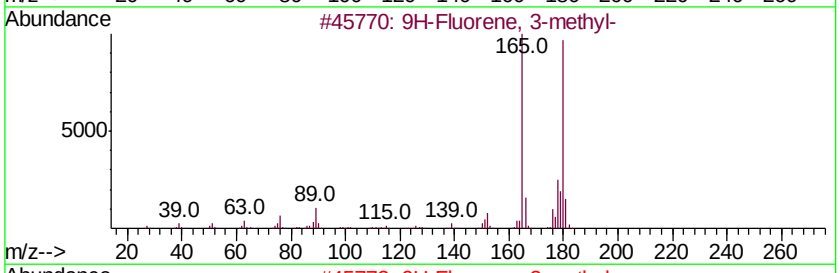
****

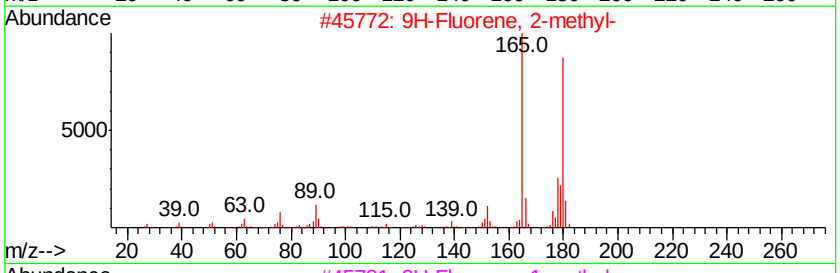
Peak Number 8 9H-Fluorene, 3-methyl- Concentration Rank 20

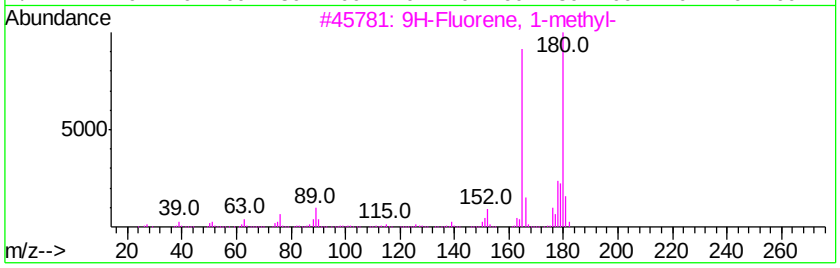
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	15.22 ng	711670	Phenanthrene-d10	11.42

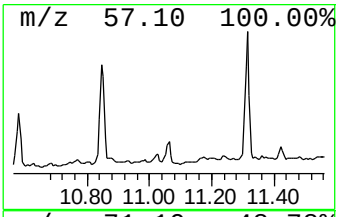
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	68

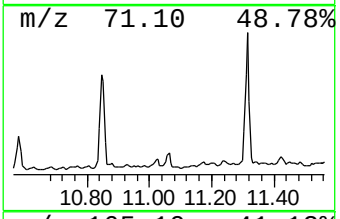


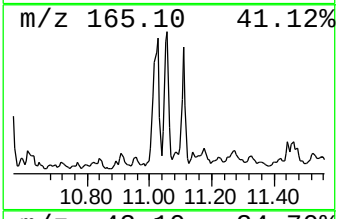


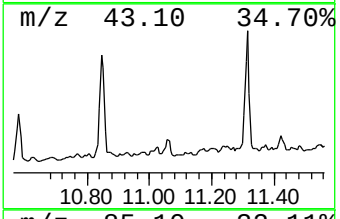


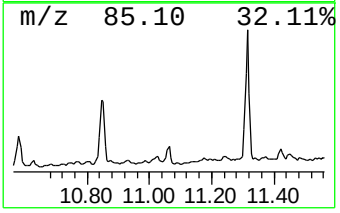












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Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

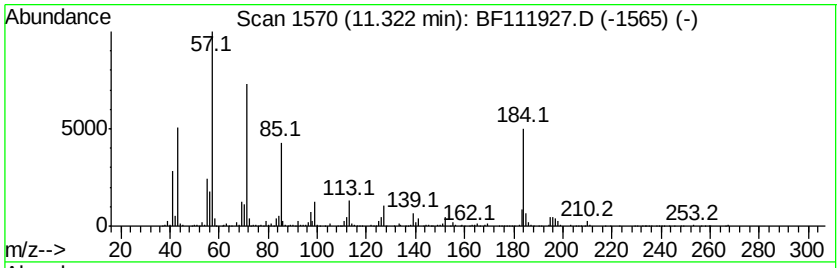
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

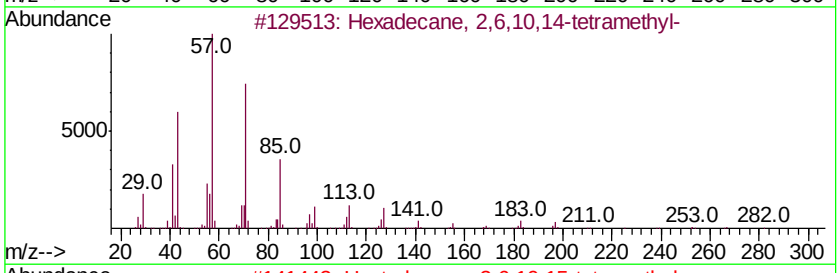
****

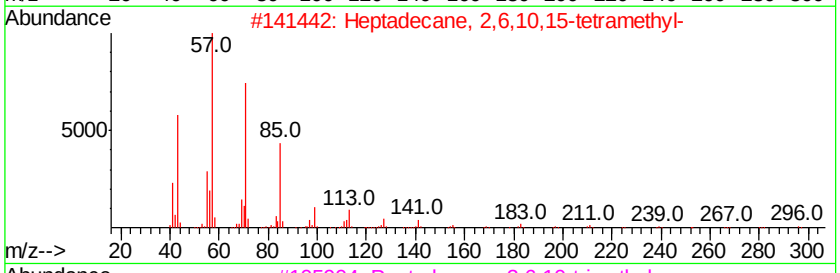
Peak Number 9 Hexadecane, 2,6,10,14-tetra... Concentration Rank 2

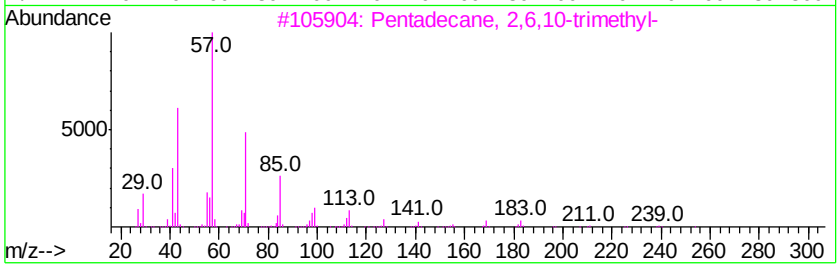
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	47.07 ng	2200920	Phenanthrene-d10	11.42

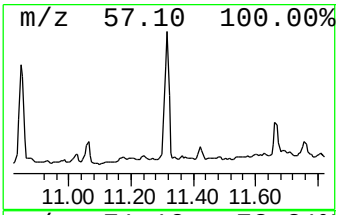
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	68
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	68
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	64
4	Tridecane, 7-methyl-	198	C14H30	026730-14-3	55
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	52

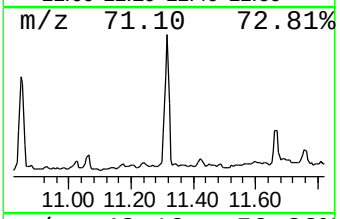


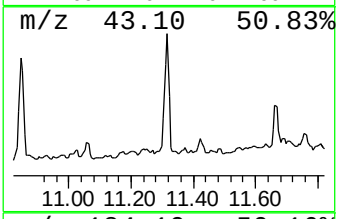


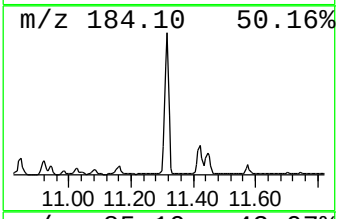


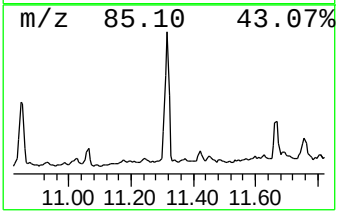












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Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

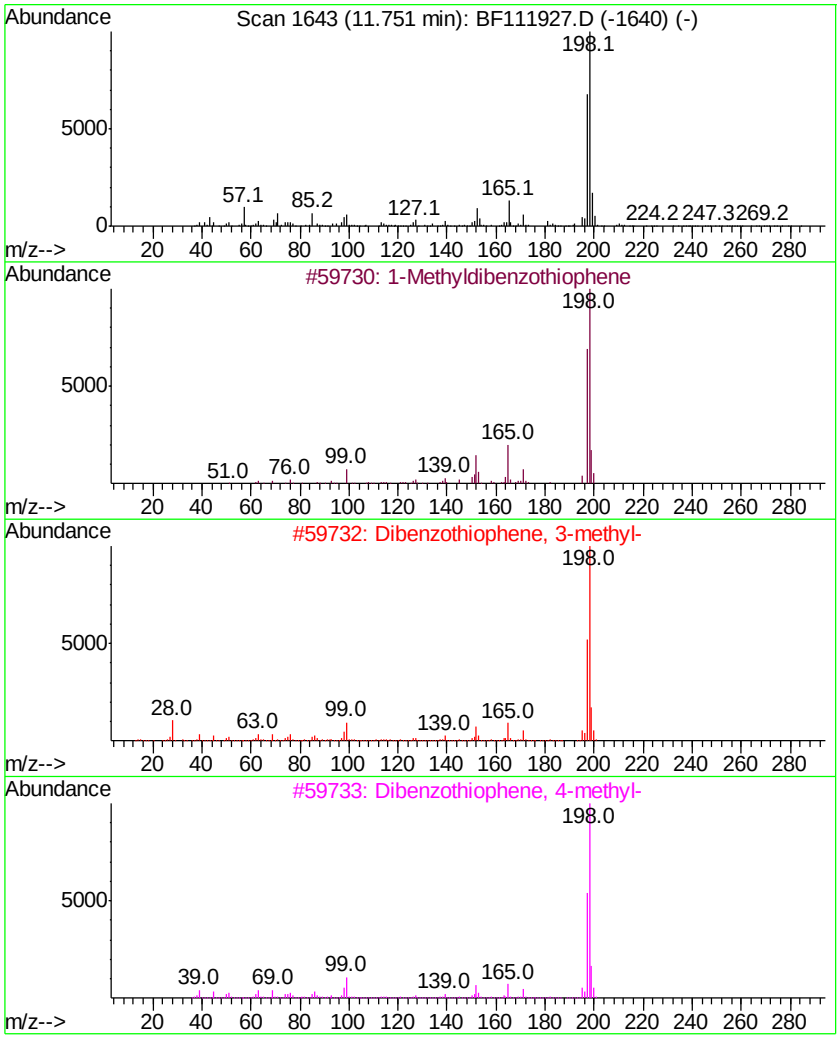
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

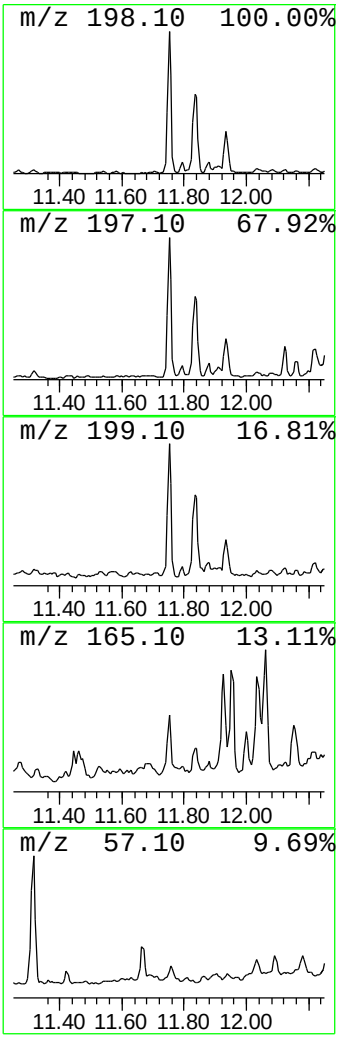
****

Peak Number 10 1-Methyldibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	29.72 ng	1389740	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
4	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	64
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

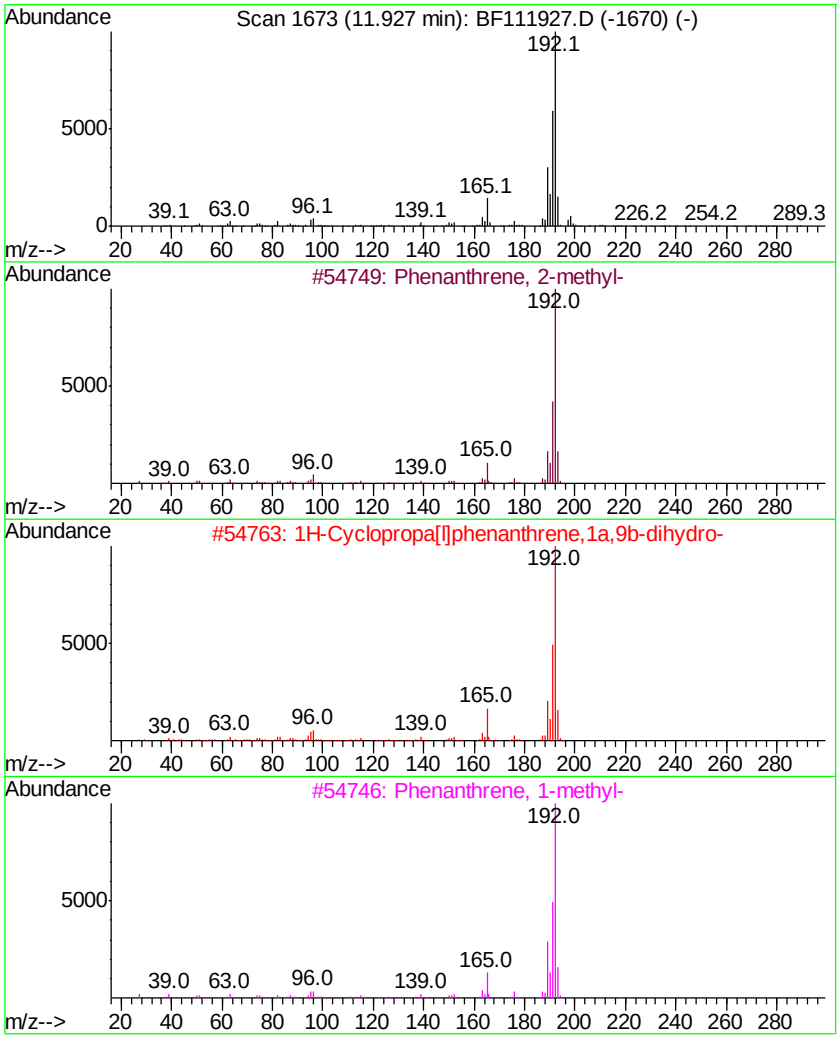
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

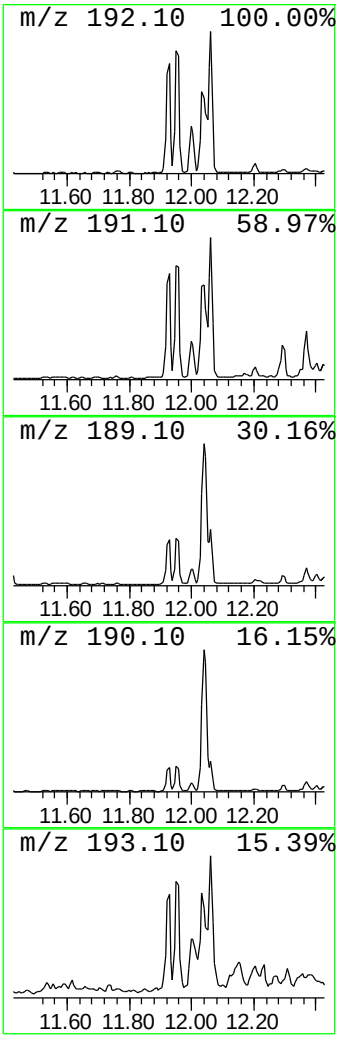
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	24.59 ng	1149770	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

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Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

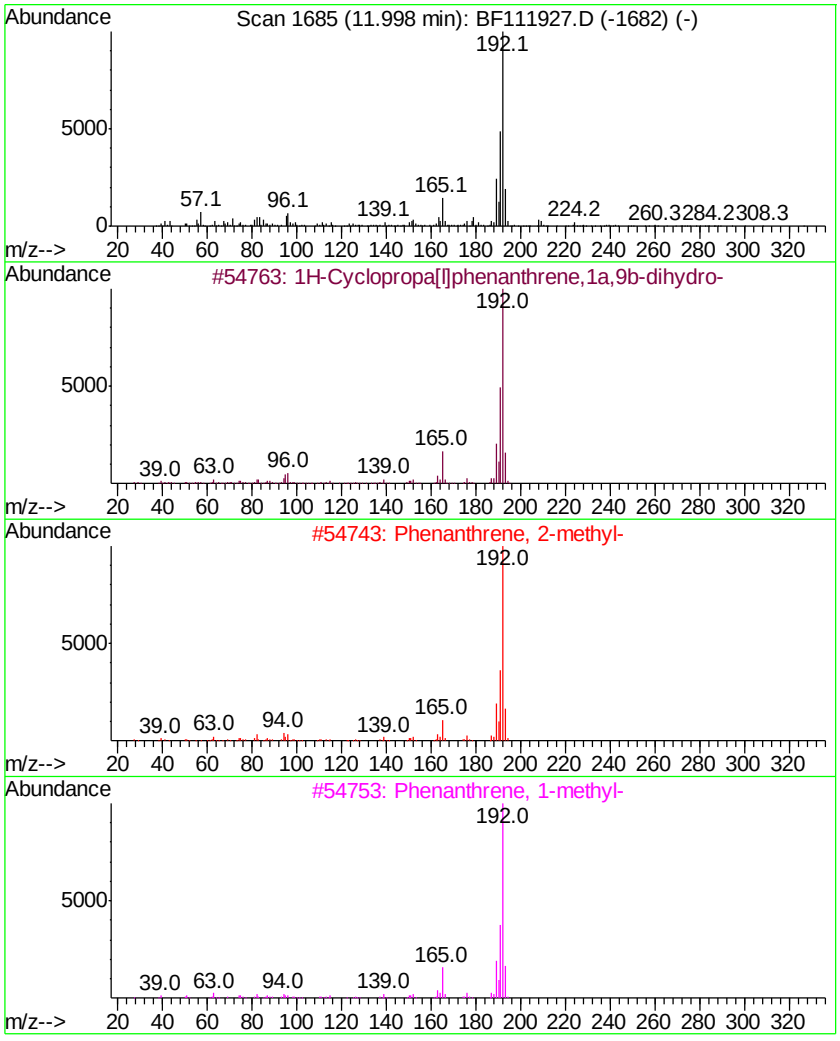
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

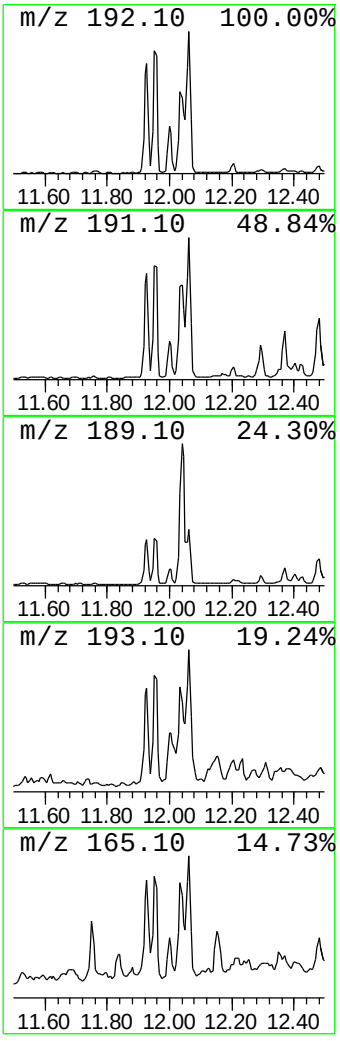
****

Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	18.77 ng	877435	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

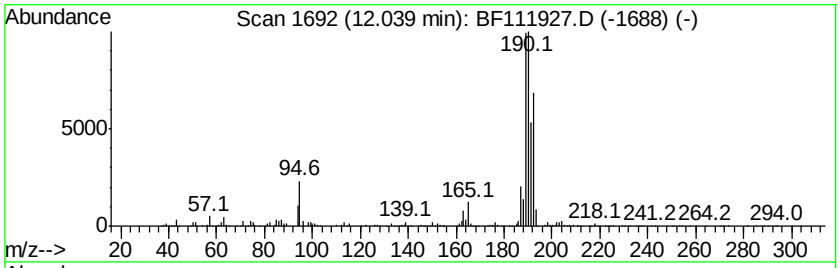
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

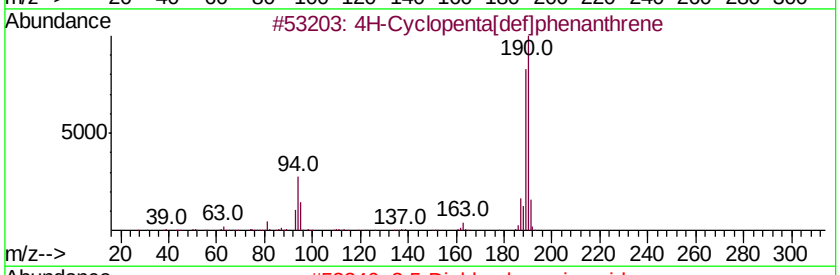
****

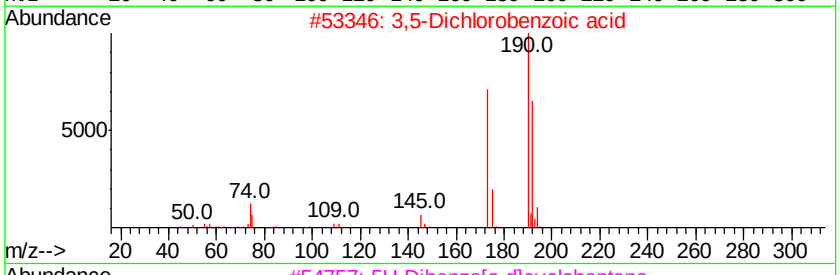
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

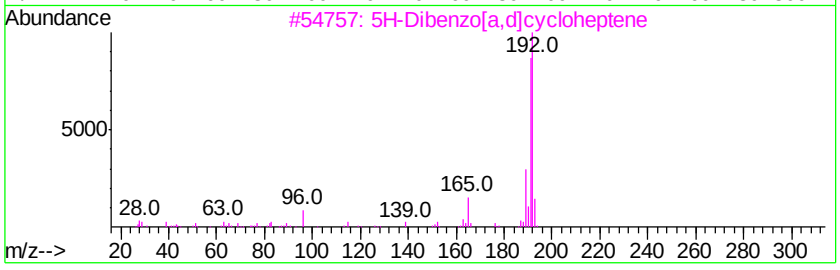
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	56.60 ng	2646280	Phenanthrene-d10	11.42

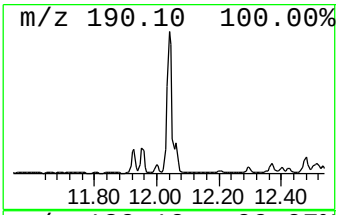
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18

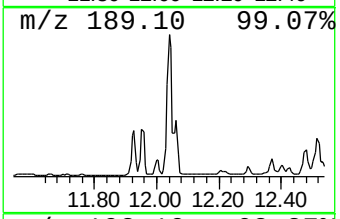


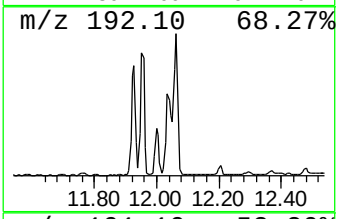


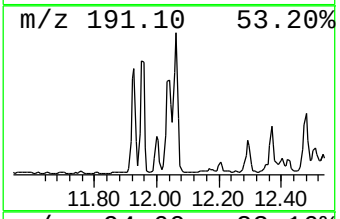


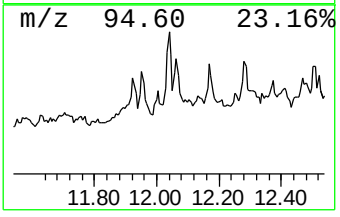












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Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

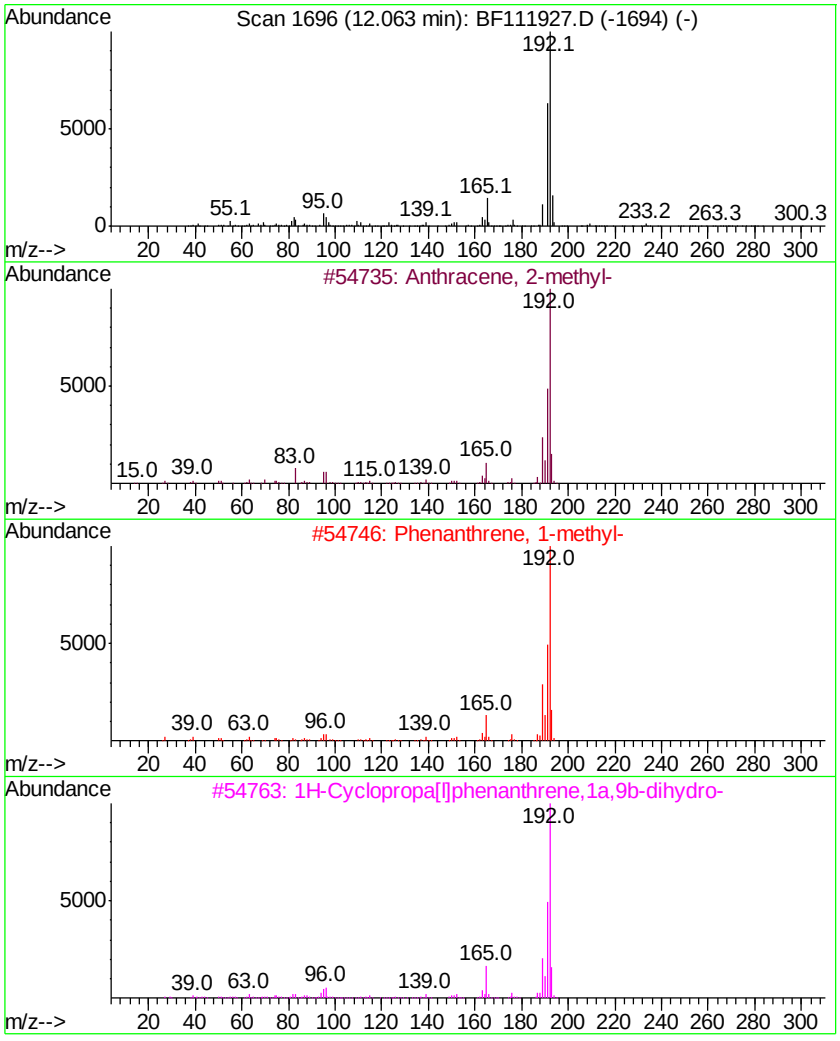
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

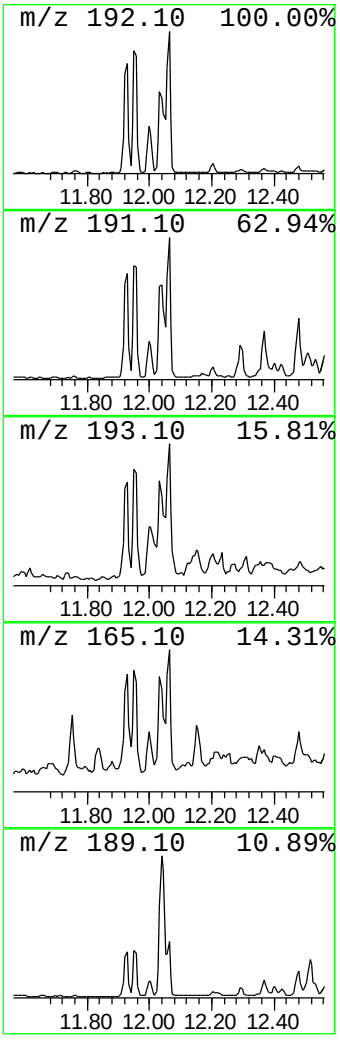
****

Peak Number 15 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	30.21 ng	1412580	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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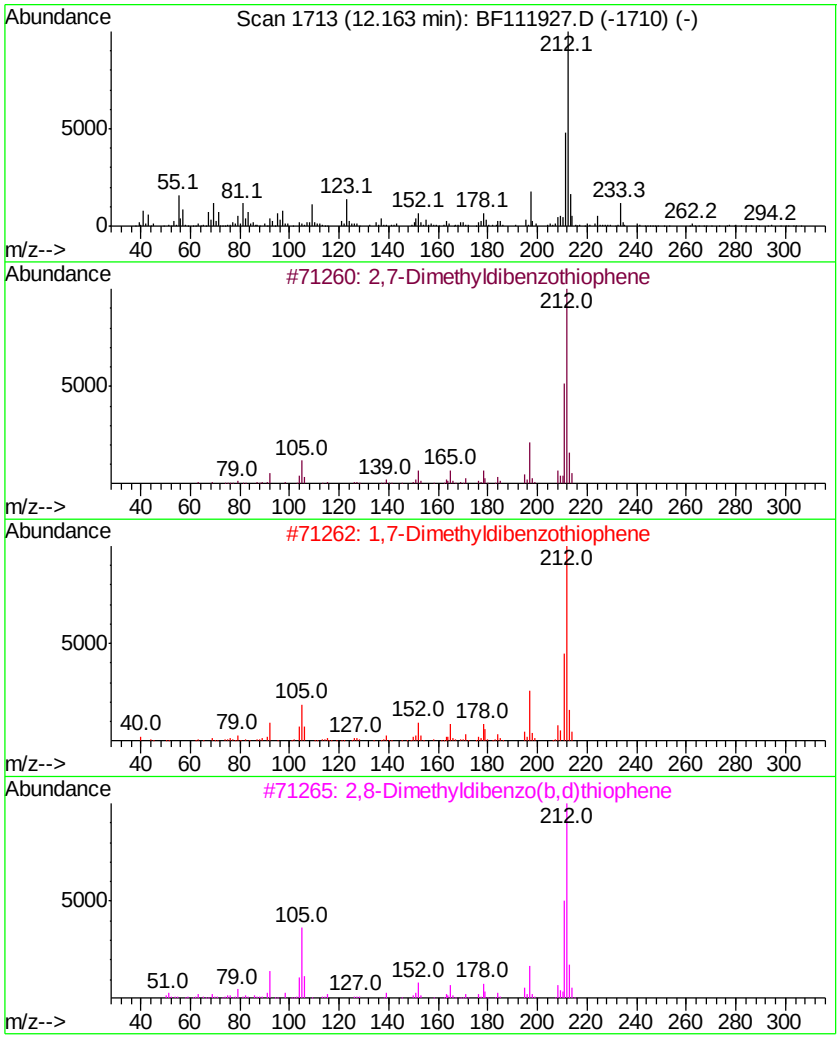
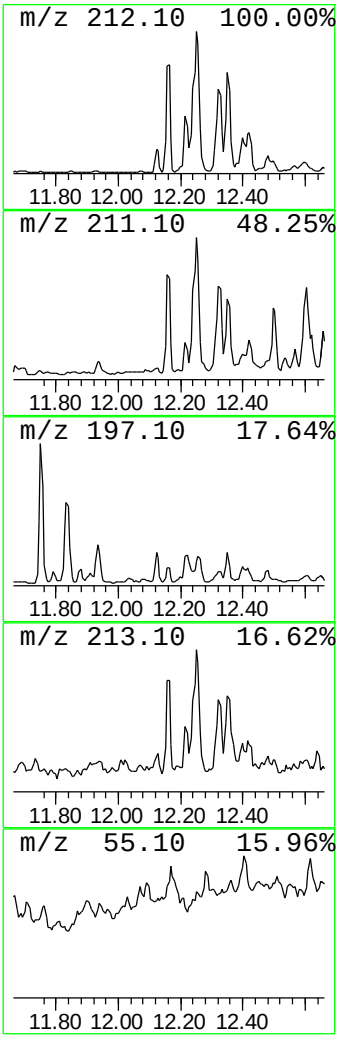
Peak Number 16 2,7-Dimethyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	20.27 ng	947562	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	90
2	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	90
3	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	87
4	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	81
5	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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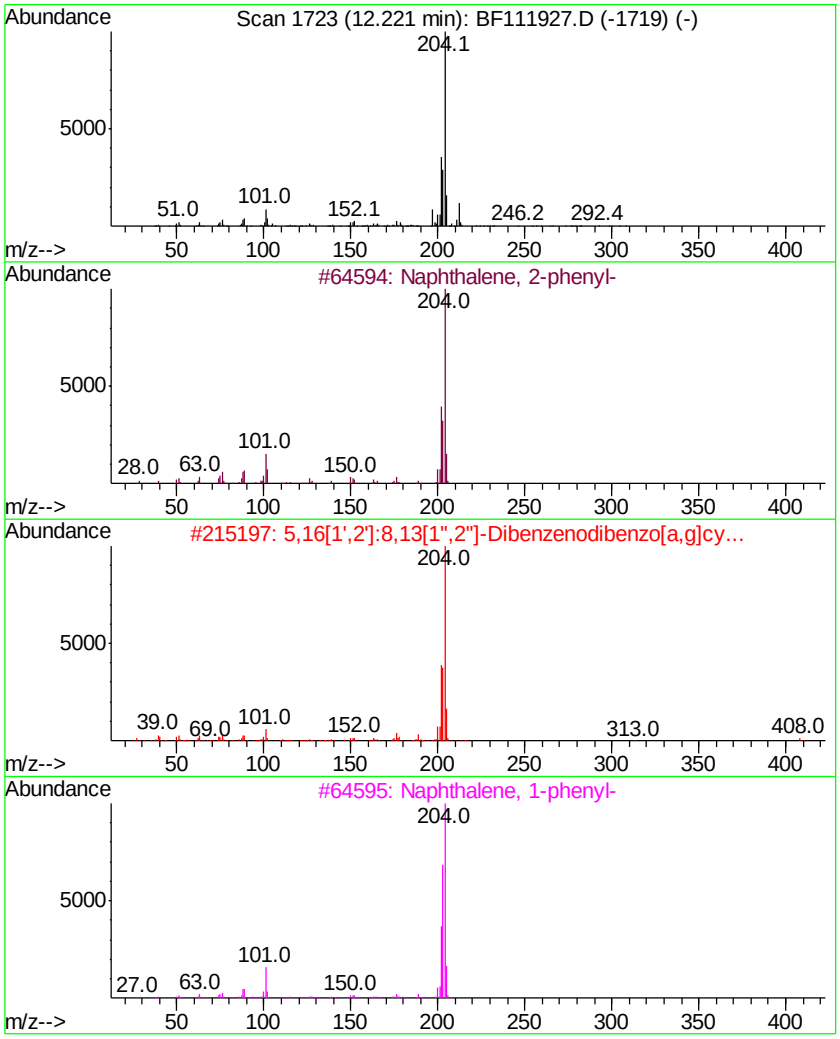
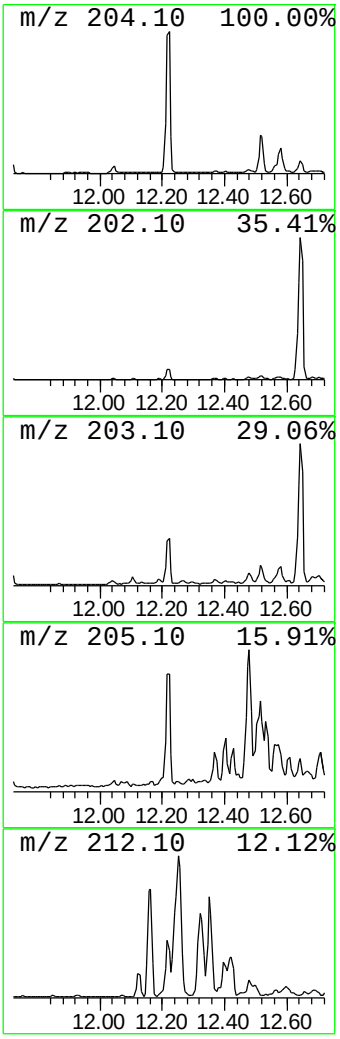
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	19.83 ng	927164	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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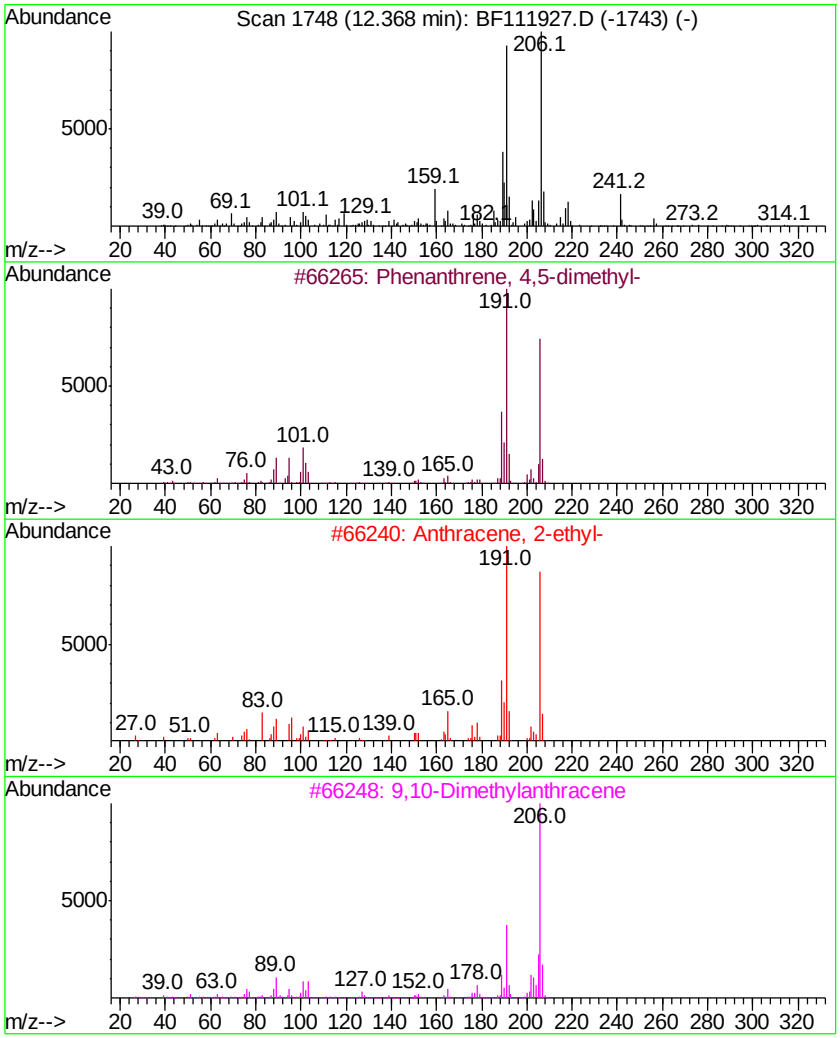
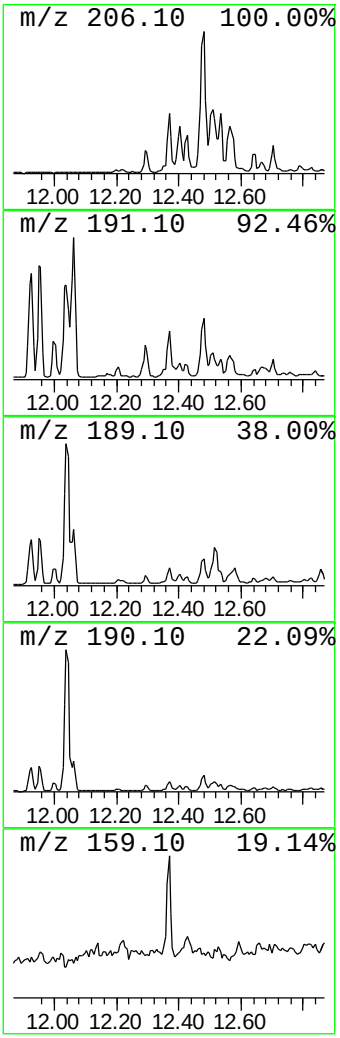
Peak Number 18 Phenanthrene, 4,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	20.87 ng	975920	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	76
4	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	76
5	Anthracene, 9-ethyl-	206	C16H14	000605-83-4	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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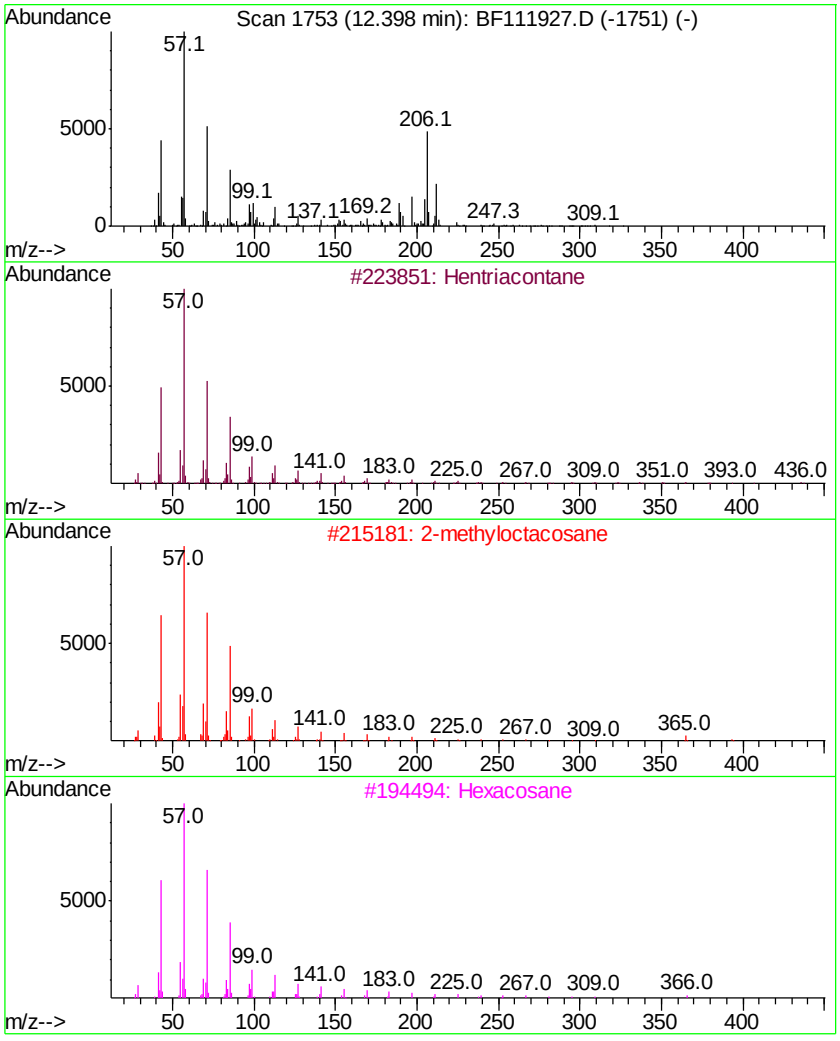
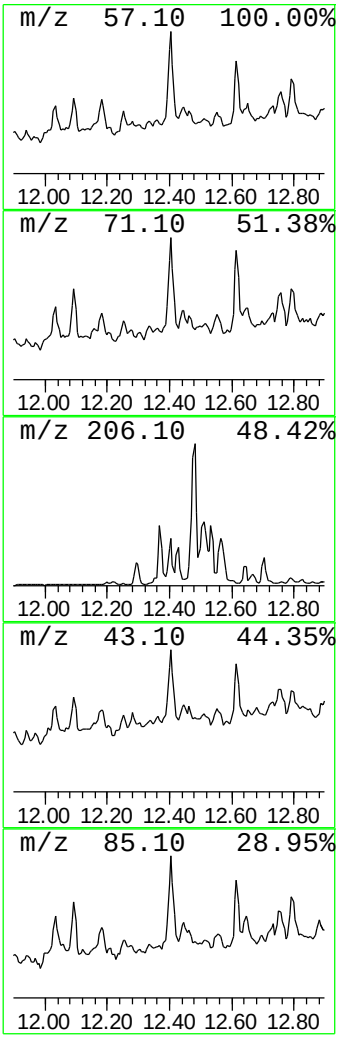
Peak Number 19 unknown12.40 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	27.93 ng	1305630	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	46
2	2-methyloctacosane	408	C29H60	1000376-72-8	46
3	Hexacosane	366	C26H54	000630-01-3	45
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	43
5	Heneicosane	296	C21H44	000629-94-7	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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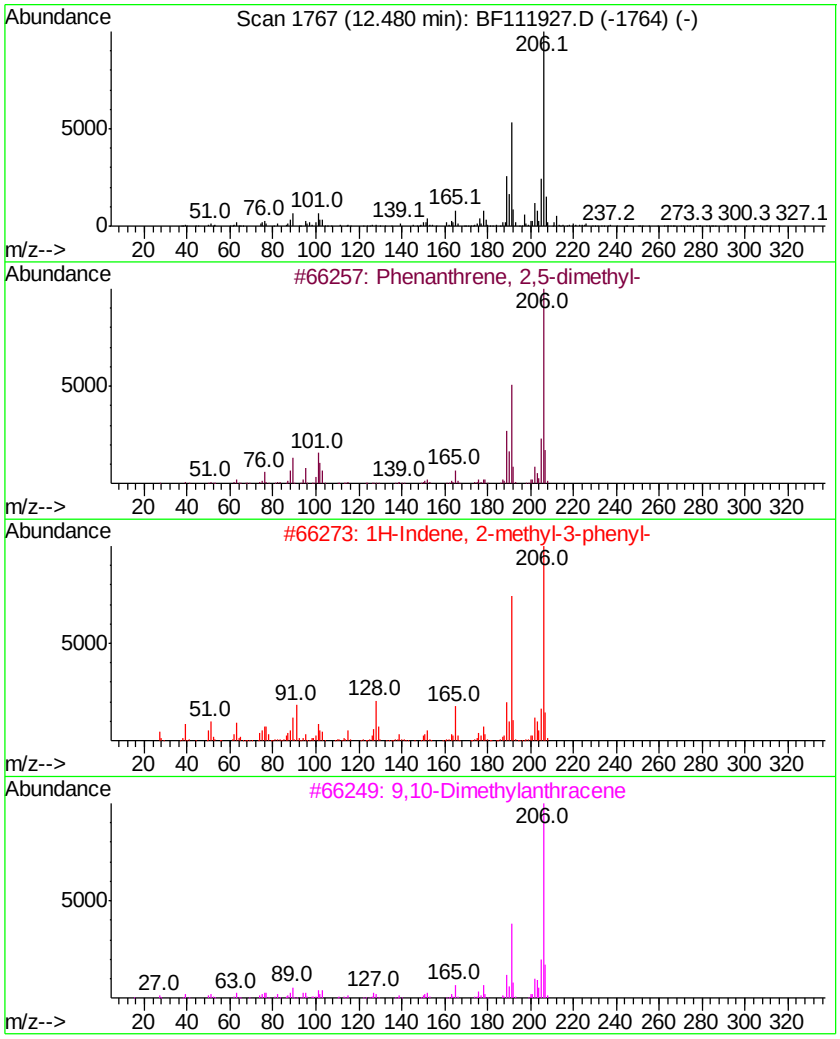
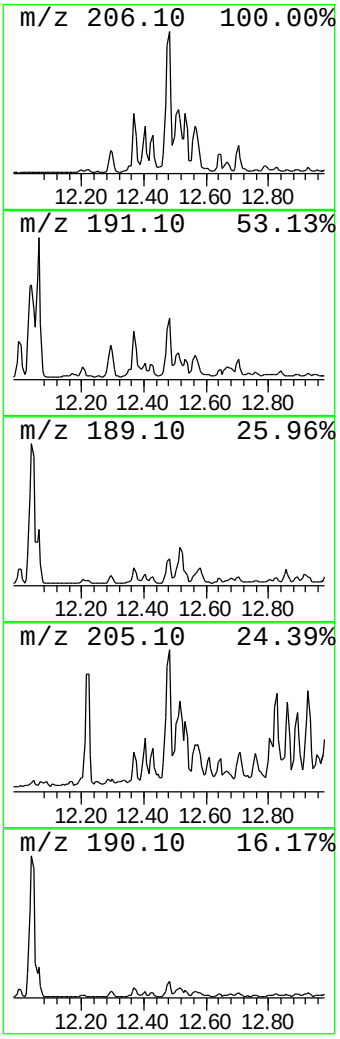
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	18.74 ng	876043	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF010819\
Data File : BF111927.D
Acq On : 9 Jan 2019 00:23
Operator : JU/SJ
Sample : K1044-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-10(10-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Nonane	5.80	25.0	ng	991920	1	6.89	792677	20.0
Nonane, 3-methyl-	6.15	16.9	ng	669655	1	6.89	792677	20.0
unknown6.66	6.66	37.0	ng	1464840	1	6.89	792677	20.0
Decane	6.73	33.4	ng	1322600	1	6.89	792677	20.0
p-Cymene	6.96	18.9	ng	747706	1	6.89	792677	20.0
Pentadecane, 2,6,...	10.85	31.5	ng	1471440	4	11.42	935081	20.0
9H-Fluorene, 3-me...	11.06	15.2	ng	711670	4	11.42	935081	20.0
Hexadecane, 2,6,1...	11.32	47.1	ng	2200920	4	11.42	935081	20.0
1-Methyldibenzoth...	11.75	29.7	ng	1389740	4	11.42	935081	20.0
Phenanthrene, 2-m...	11.93	24.6	ng	1149770	4	11.42	935081	20.0
1H-Cyclopropa[l]p...	12.00	18.8	ng	877435	4	11.42	935081	20.0
4H-Cyclopenta[def...	12.04	56.6	ng	2646280	4	11.42	935081	20.0
Anthracene, 2-met...	12.06	30.2	ng	1412580	4	11.42	935081	20.0
2,7-Dimethyldiben...	12.16	20.3	ng	947562	4	11.42	935081	20.0
Naphthalene, 2-ph...	12.22	19.8	ng	927164	4	11.42	935081	20.0
Phenanthrene, 4,5...	12.37	20.9	ng	975920	4	11.42	935081	20.0
unknown12.40	12.40	27.9	ng	1305630	4	11.42	935081	20.0
Phenanthrene, 2,5...	12.48	18.7	ng	876043	4	11.42	935081	20.0