LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

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-BF102318.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	2.263	25	30	42	rVB	165493	228123	17.52%	1.014%
2	5.187	524	527	536	rBV	51404	59961	4.60%	0.266%
3	5.581	590	594	607	rVB	1316172	1250802	96.06%	5.558%
4	6.587	760	765	768	rBV	1371104	1302163	100.00%	5.787%
5	6.734	786	790	794	rBV	1591545	1275237	97.93%	5.667%
6	6.969	826	830	833	rBV	910099	730429	56.09%	3.246%
7	7.122	853	856	860	rBV	1137044	970816	74.55%	4.314%
8	7.528	921	925	934	rBV	856474	717113	55.07%	3.187%
9	8.251	1044	1048	1051	rBV	1071643	873621	67.09%	3.882%
10	8.275	1051	1052	1054	rVV	88493	49687	3.82%	0.221%
11	8.298	1054	1056	1059	rVB	35816	30878	2.37%	0.137%
12	8.533	1093	1096	1101	rVB5	18253	20163	1.55%	0.090%
13	8.657	1115	1117	1120	rBV	35199	26622	2.04%	0.118%
14	8.963	1166	1169	1173	rBV	79665	68624	5.27%	0.305%
15	9.063	1181	1186	1190	rBV	101148	97081	7.46%	0.431%
16	9.257	1216	1219	1221	rVB	31503	22642	1.74%	0.101%
17	9.322	1227	1230	1240	rBV	1450369	1229165	94.39%	5.462%
18	9.392	1240	1242	1246	rBV3	23562	27416	2.11%	0.122%
19	9.428	1246	1248	1252	rVB	27274	22740	1.75%	0.101%
20	9.522	1262	1264	1269	rVB2	15652	20675	1.59%	0.092%
21	9.592	1272	1276	1280	rBV2	46689	68683	5.27%	0.305%
22	9.669	1285	1289	1291	rBV	86916	87441	6.72%	0.389%
23	9.692	1291	1293	1295	rVV	48406	40818	3.13%	0.181%
24	9.716	1295	1297	1304	rVB	188523	169289	13.00%	0.752%
25	9.786	1305	1309	1311	rBV	44678	45018	3.46%	0.200%
26	9.875	1320	1324	1329	rBV2	119410	114043	8.76%	0.507%
27	9.922	1329	1332	1337	rVB3	24758	23053	1.77%	0.102%
28	10.010	1344	1347	1351	rVV	925801	819738	62.95%	3.643%
29	10.045	1351	1353	1356	rVB	126446	92992	7.14%	0.413%
30	10.110	1361	1364	1368	rBV3	21757	29749	2.28%	0.132%
31	10.157	1368	1372	1375	rBV3	15822	27255	2.09%	0.121%
32	10.216	1378	1382	1385	rVV2	77535	82650	6.35%	0.367%
33	10.251	1385	1388	1392	rVB	41068	37123	2.85%	0.165%
34	10.322	1397	1400	1403	rBV2	44364	52771	4.05%	0.235%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.357	1403	1406	1412	rVB3	29607	31767	2.44%	0.141%
36	10.422	1412	1417	1421	rBV5	35933	65210	5.01%	0.290%
37	10.557	1437	1440	1447	rVB	115278	130743	10.04%	0.581%
38	10.645	1450	1455	1457	rVB3	34445	42425	3.26%	0.189%
39	10.716	1462	1467	1470	rVB3	19352	29914	2.30%	0.133%
40	10.798	1478	1481	1486	rBV	677205	619516	47.58%	2.753%
41	10.916	1496	1501	1508	rVB4	41572	80519	6.18%	0.358%
42	11.110	1529	1534	1536	rBV2	44409	58108	4.46%	0.258%
43	11.139	1536	1539	1541	rVV	36144	35502	2.73%	0.158%
44	11.192	1545	1548	1551	rVV	28610	28393	2.18%	0.126%
45	11.233	1551	1555	1557	rVV3	17757	30309	2.33%	0.135%
46	11.257	1557	1559	1563	rVV3	25863	36190	2.78%	0.161%
47	11.310	1565	1568	1572	rVV2	26786	34805	2.67%	0.155%
48	11.345	1572	1574	1577	rVV	39622	41897	3.22%	0.186%
49	11.380	1577	1580	1581	rVV2	30564	32397	2.49%	0.144%
50	11.398	1581	1583	1587	rVB	59393	57136	4.39%	0.254%
51	11.504	1597	1601	1603	rBV	980504	788913	60.58%	3.506%
52	11.527	1603	1605	1609	rVV	602083	479740	36.84%	2.132%
53	11.580	1611	1614	1616	rVV	160633	130282	10.01%	0.579%
54	11.616	1616	1620	1622	rVB2	27067	35754	2.75%	0.159%
55	11.733	1636	1640	1644	rBV	50911	65682	5.04%	0.292%
56	11.774	1644	1647	1649	rVB	30297	26353	2.02%	0.117%
57	11.833	1655	1657	1661	rVB	52463	52629	4.04%	0.234%
58	11.921	1668	1672	1675	rVB	30066	31985	2.46%	0.142%
59	12.004	1683	1686	1689	rBV	154253	157845	12.12%	0.701%
60	12.033	1689	1691	1694	rVB	201027	157768	12.12%	0.701%
61	12.080	1696	1699	1702	rVV	72672	62115	4.77%	0.276%
62	12.121	1702	1706	1708	rVV2	206034	252146	19.36%	1.120%
63	12.139	1708	1709	1714	rVB	119615	91203	7.00%	0.405%
64	12.186	1714	1717	1719	rBV	34266	31361	2.41%	0.139%
65	12.239	1723	1726	1729	rVV2	34776	32692	2.51%	0.145%
66	12.298	1733	1736	1739	rVV2	78477	83896	6.44%	0.373%
67	12.327	1739	1741	1748	rVB4	51329	61775	4.74%	0.275%
68	12.433	1756	1759	1760	rBV2	30659	25553	1.96%	0.114%
69	12.451	1760	1762	1765	rVV	41219	37872	2.91%	0.168%
70	12.480	1765	1767	1769	rVV	55280	42158	3.24%	0.187%
71	12.504	1769	1771	1774	rVB	52058	43310	3.33%	0.192%

LSC Area Percent Report

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Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.557	1776	1780	1783	rBV	149790	174170	13.38%	0.774%
73	12.592	1784	1786	1788	rVV2	64942	71306	5.48%	0.317%
74	12.645	1792	1795	1799	rBV3	81833	121033	9.29%	0.538%
75	12.721	1804	1808	1812	rBV	1000797	834206	64.06%	3.707%
76	12.763	1812	1815	1816	rBV2	41725	36842	2.83%	0.164%
77	12.780	1816	1818	1821	rVB2	33649	28446	2.18%	0.126%
78	12.816	1821	1824	1827	rBV	69096	57548	4.42%	0.256%
79	12.874	1831	1834	1836	rBV	55590	54573	4.19%	0.243%
80	12.951	1841	1847	1853	rVV	885651	1061932	81.55%	4.719%
81	12.998	1853	1855	1859	rVB2	64082	80511	6.18%	0.358%
82	13.086	1864	1870	1877	rVB	1283557	1194346	91.72%	5.307%
83	13.168	1880	1884	1890	rBV3	98483	175926	13.51%	0.782%
84	13.257	1895	1899	1900	rBV2	71732	85186	6.54%	0.379%
85	13.280	1900	1903	1905	rVB	161499	157947	12.13%	0.702%
86	13.304	1905	1907	1909	rBV2	42133	35415	2.72%	0.157%
87	13.345	1911	1914	1917	rBV	123075	101656	7.81%	0.452%
88	13.386	1918	1921	1923	rVB2	119716	110907	8.52%	0.493%
89	13.480	1934	1937	1939	rBV	98885	93732	7.20%	0.417%
90	13.510	1939	1942	1944	rVV	93820	83964	6.45%	0.373%
91	13.645	1963	1965	1968	rBV2	52105	54198	4.16%	0.241%
92	13.927	2011	2013	2015	rBV	54743	39528	3.04%	0.176%
93	13.980	2019	2022	2023	rBV2	89558	93083	7.15%	0.414%
94	14.151	2046	2051	2054	rBV2	871627	1195093	91.78%	5.311%
95	14.180	2054	2056	2062	rVB	420534	356318	27.36%	1.583%
96	14.292	2073	2075	2079	rVB2	86076	81961	6.29%	0.364%
97	15.227	2231	2234	2237	rBV	256158	344289	26.44%	1.530%
98	15.551	2287	2289	2295	rVB	161533	169697	13.03%	0.754%
99	15.615	2297	2300	2306	rVB	251644	313865	24.10%	1.395%
100	15.686	2308	2312	2315	rBV	424244	535201	41.10%	2.378%

Sum of corrected areas: 22503323

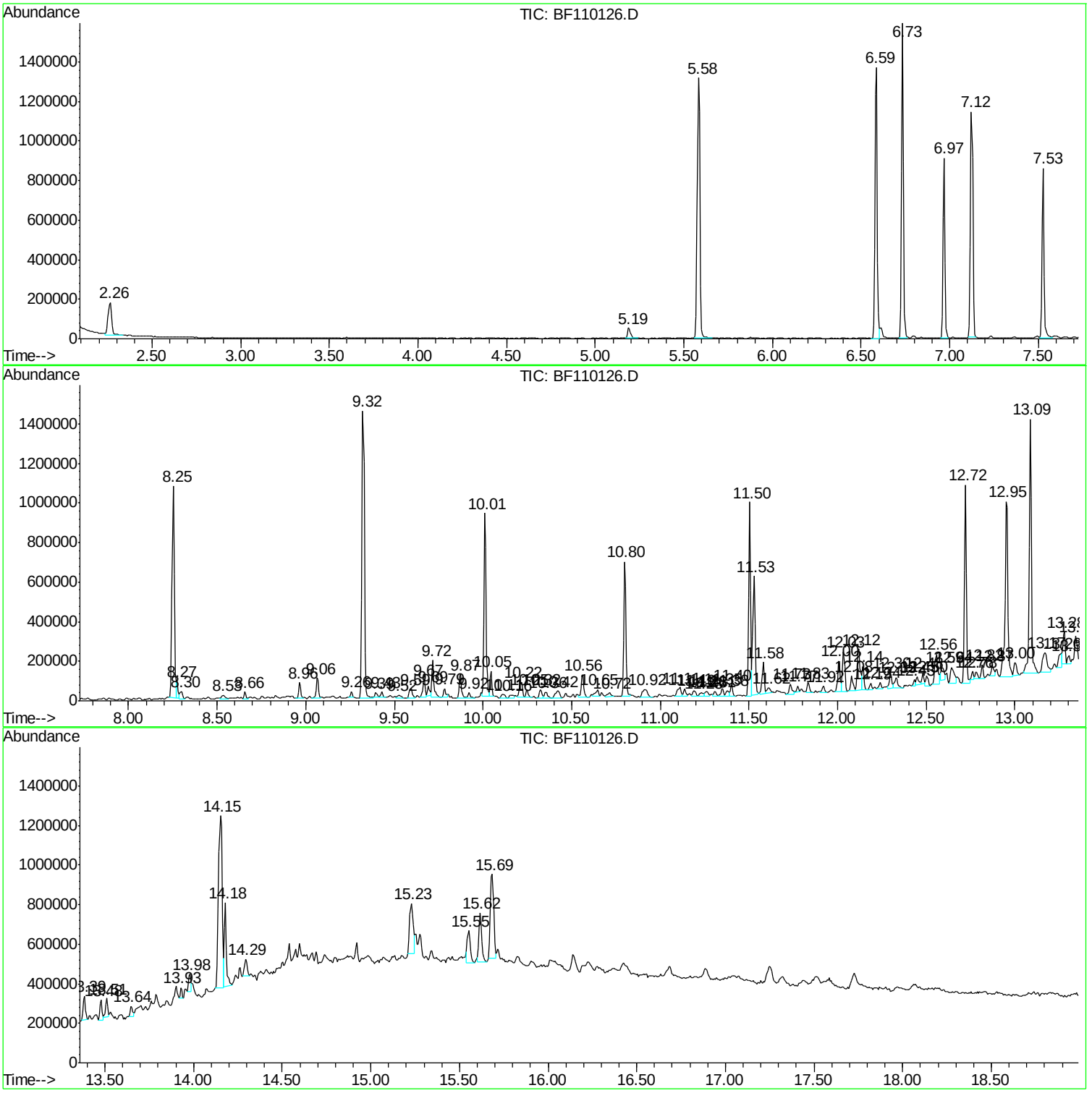
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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\BF102418\
Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

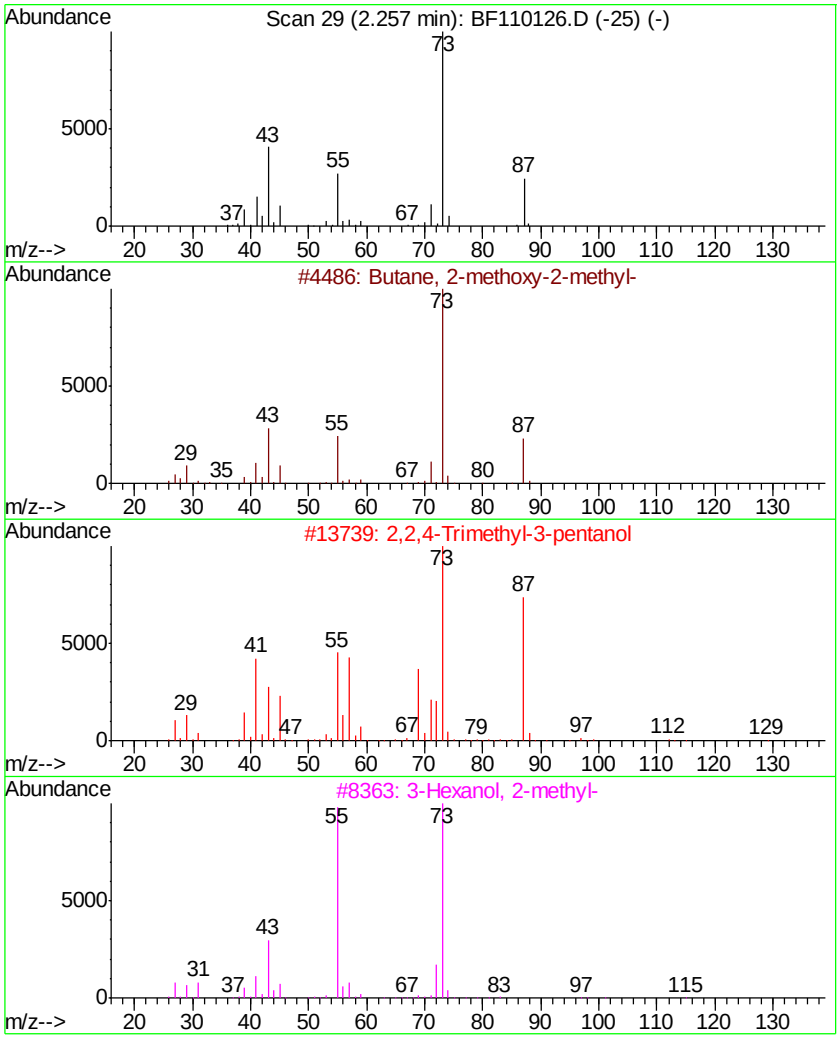
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

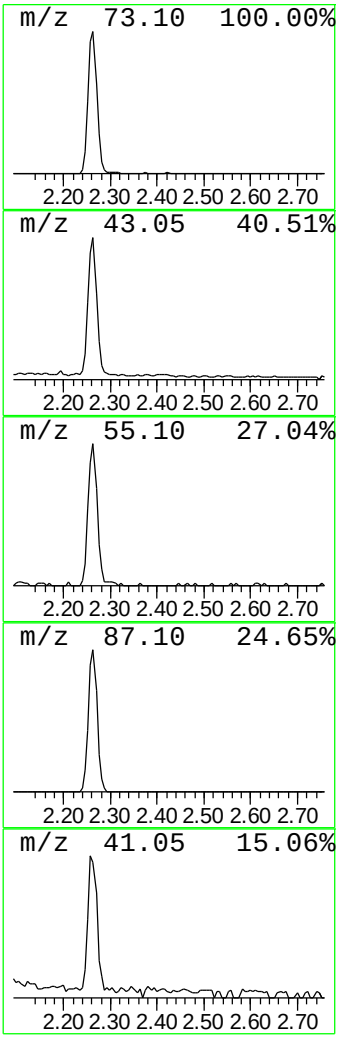
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.26	6.25 ng	228123	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

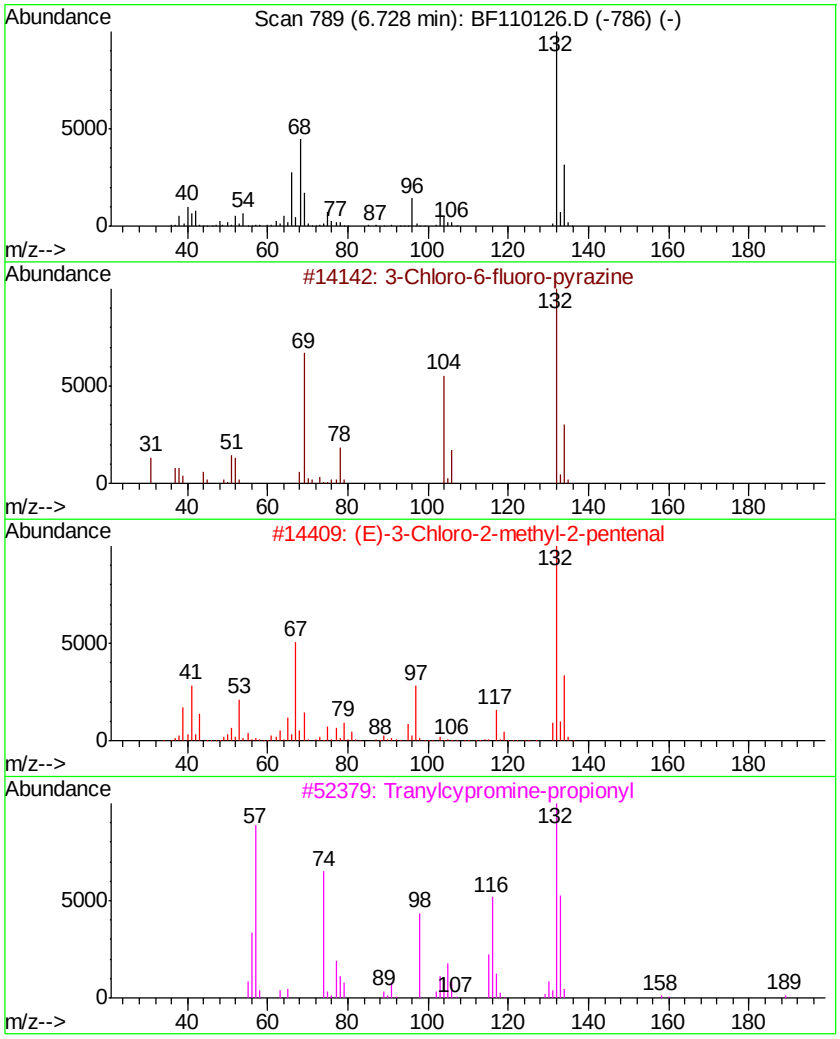
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

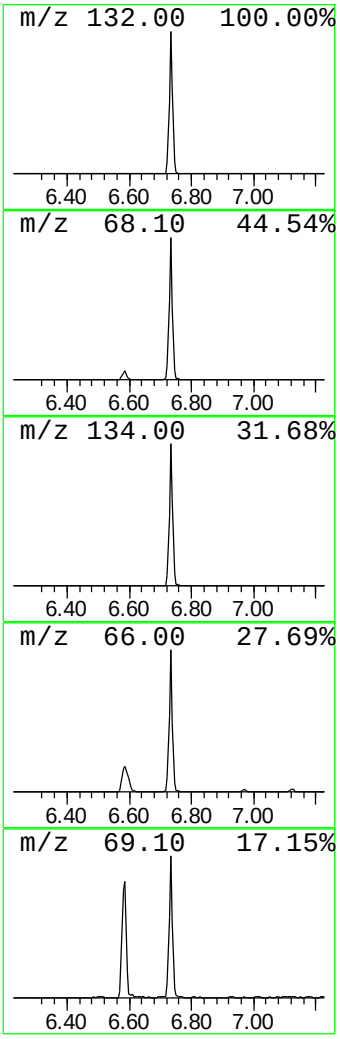
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	34.92 ng	1275240	1,4-Dichlorobenzene-d4	6.97

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	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

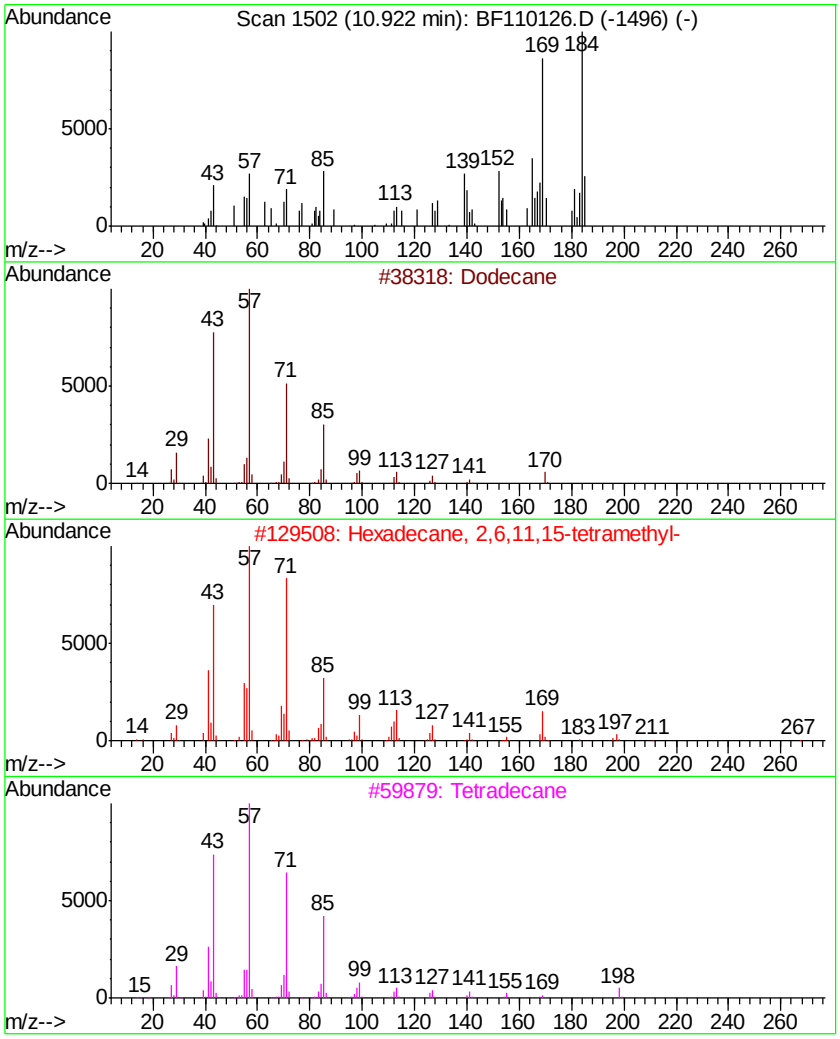
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

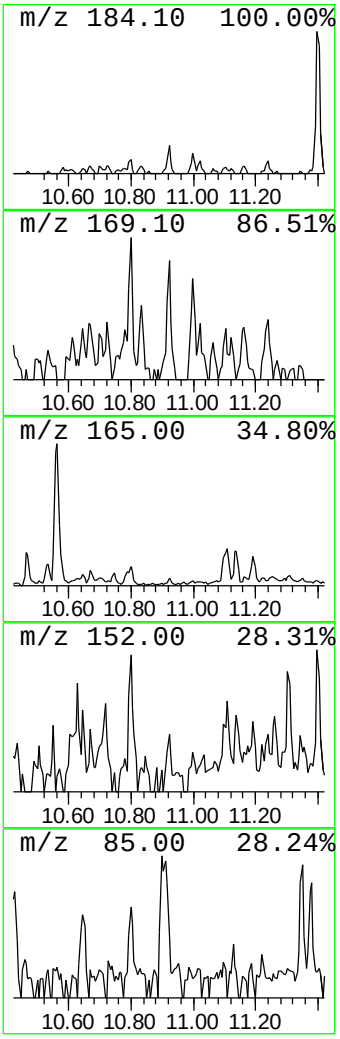
****

Peak Number 5 Dodecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	2.04 ng	80519	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	53
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	49
3	Tetradecane	198	C14H30	000629-59-4	46
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	46
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

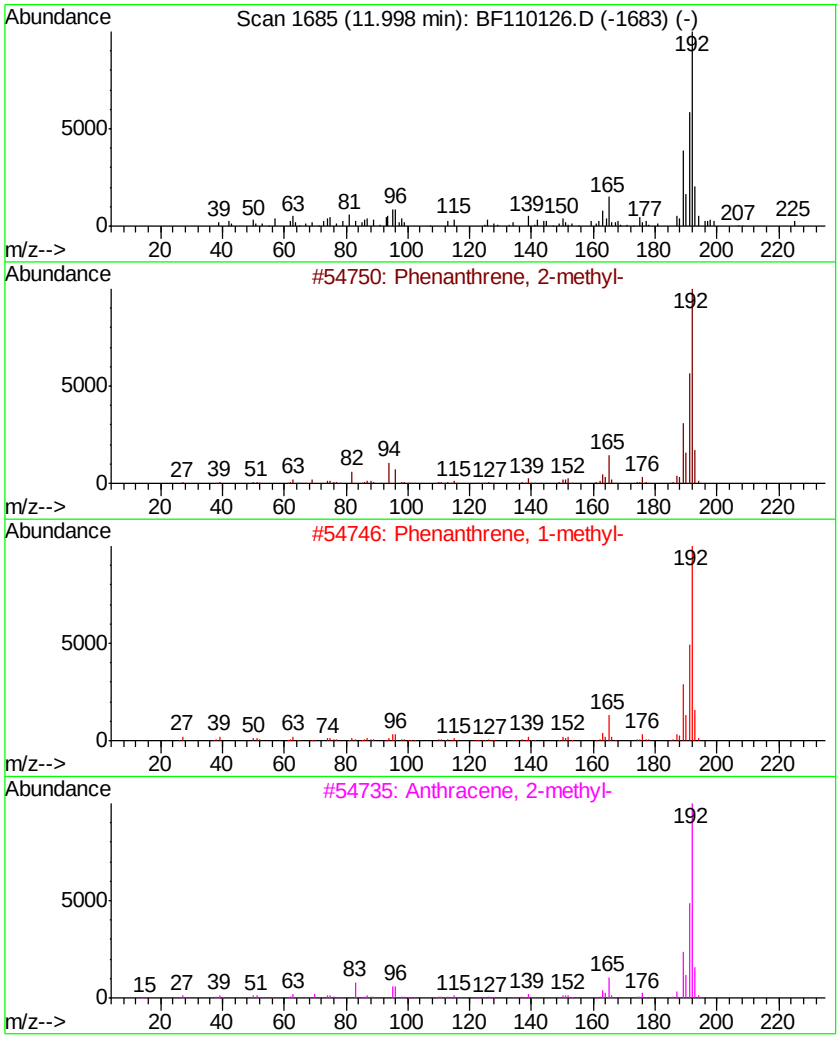
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

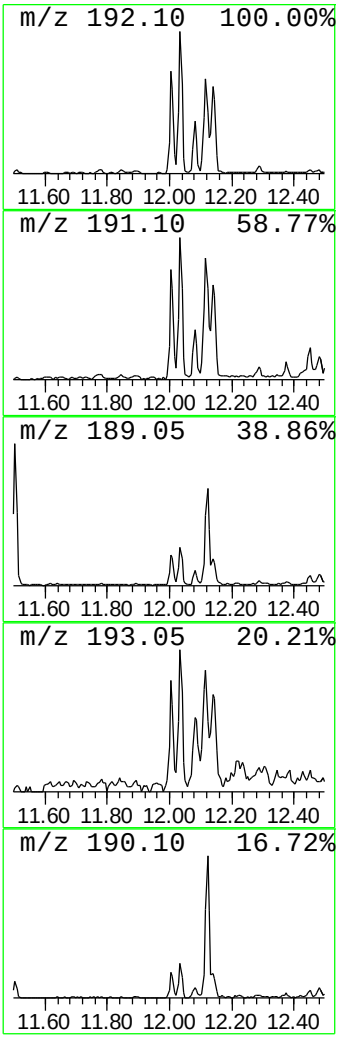
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.00 ng	157845	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

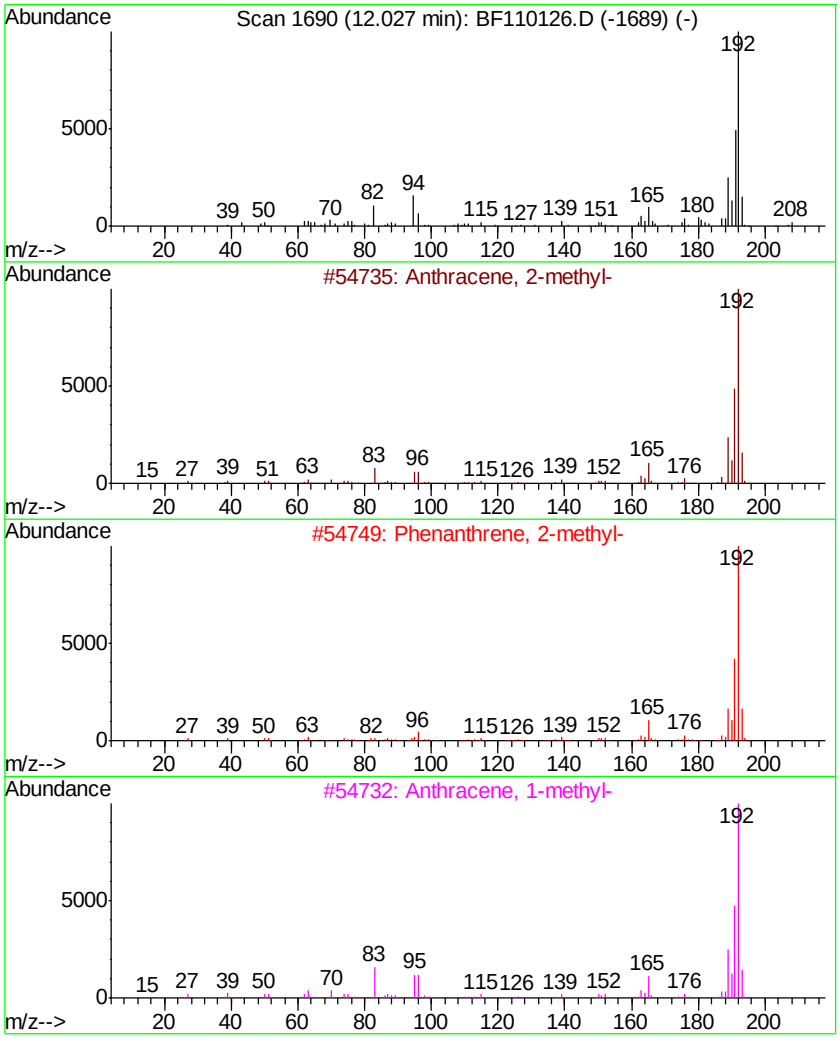
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

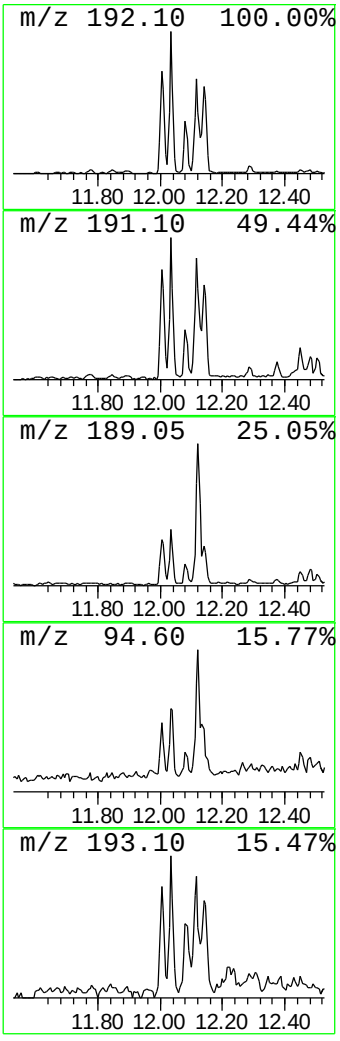
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	4.00 ng	157768	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Library Search Compound Report

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Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

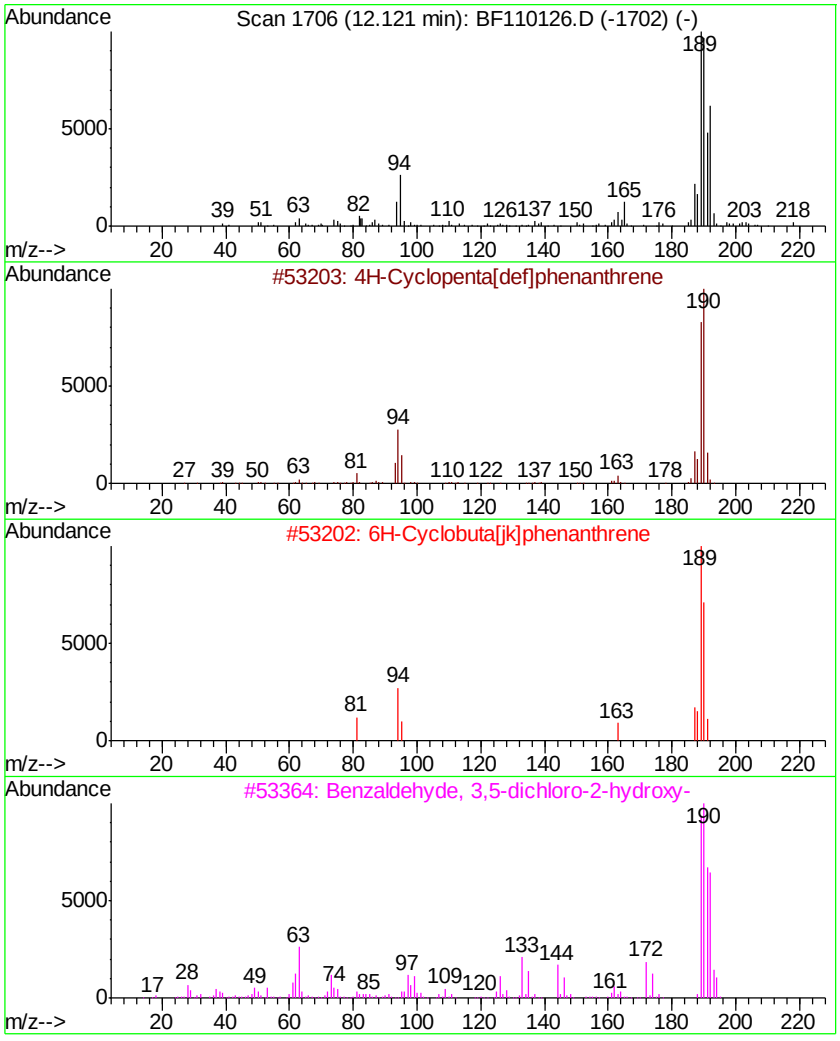
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

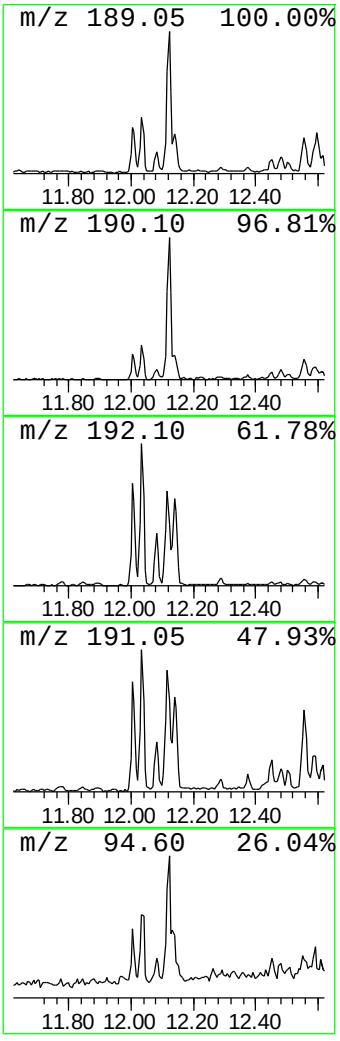
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	6.39 ng	252146	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	27
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	22





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Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

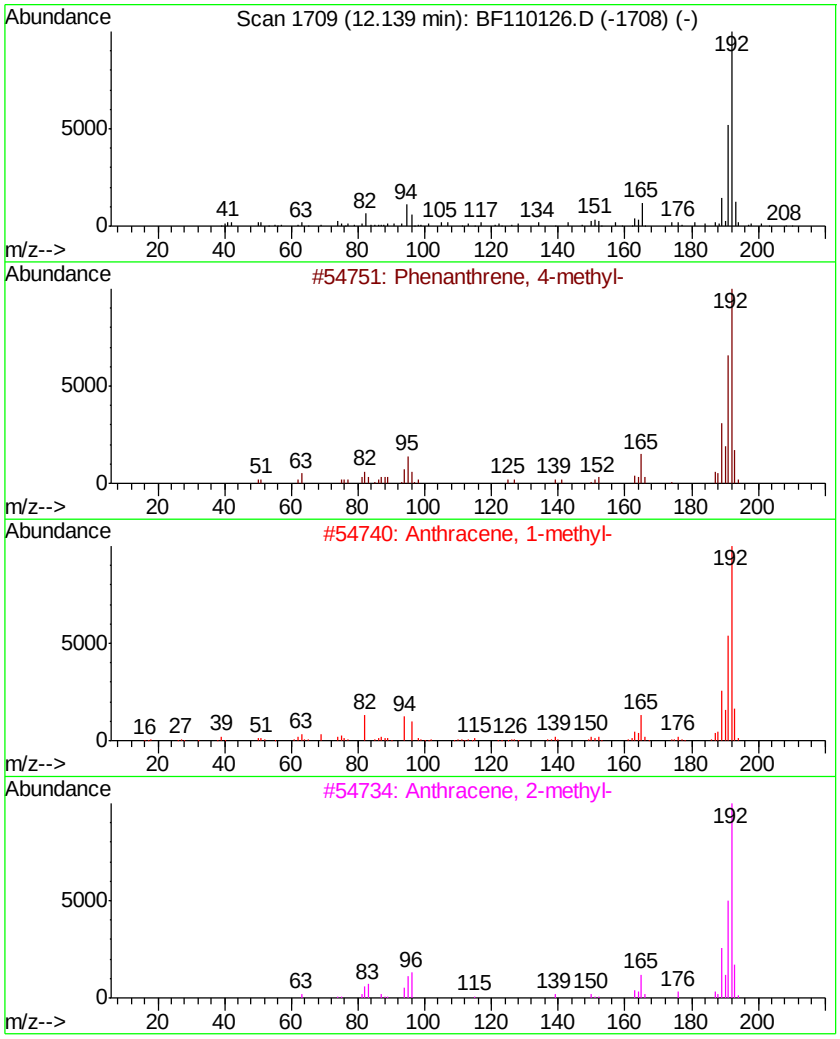
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

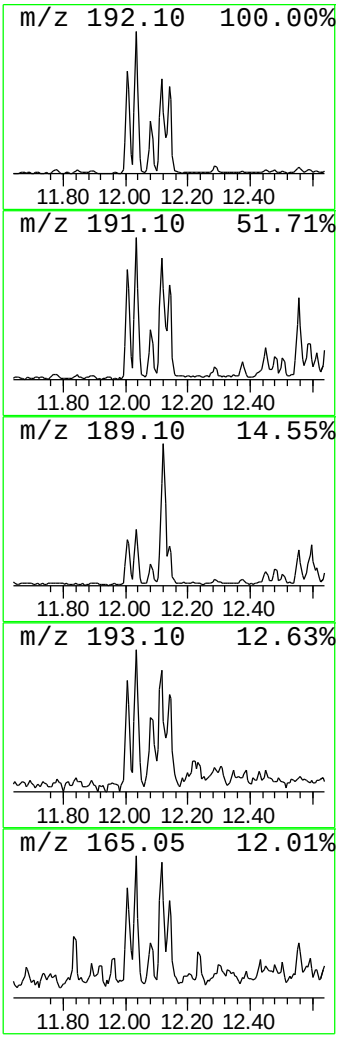
****

Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	2.31 ng	91203	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80





Library Search Compound Report

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Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

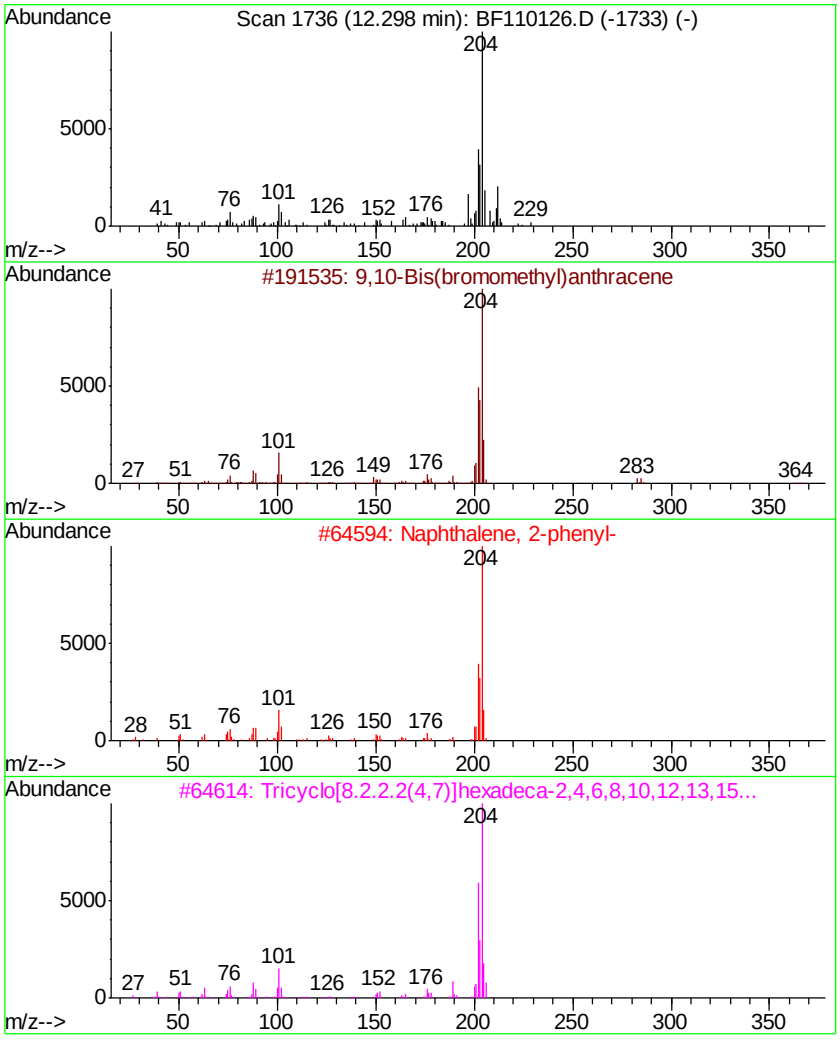
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

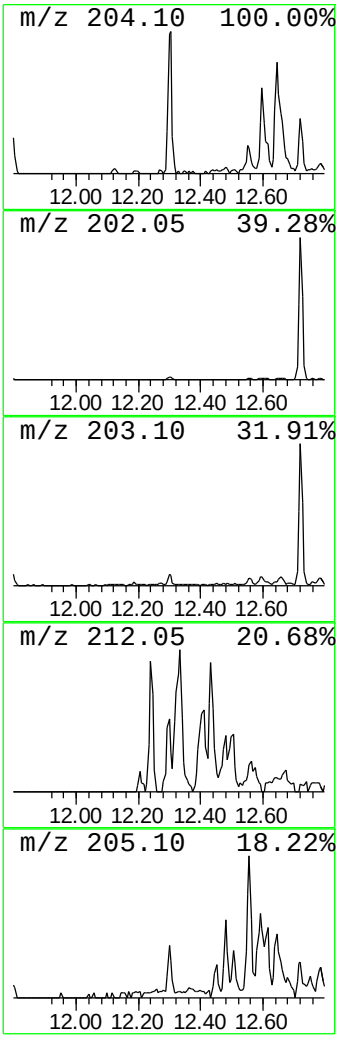
****

Peak Number 10 9,10-Bis(bromomethyl)anthra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.13 ng	83896	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	68
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	46





Library Search Compound Report

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Operator : JU/SJ
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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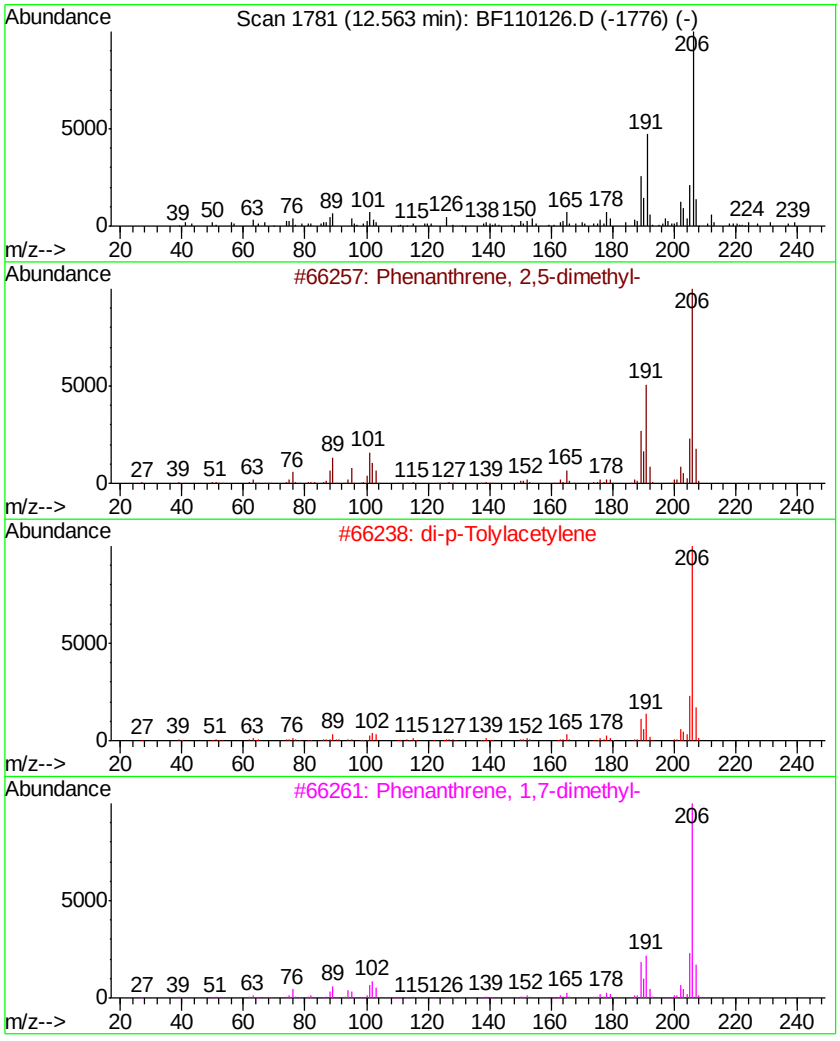
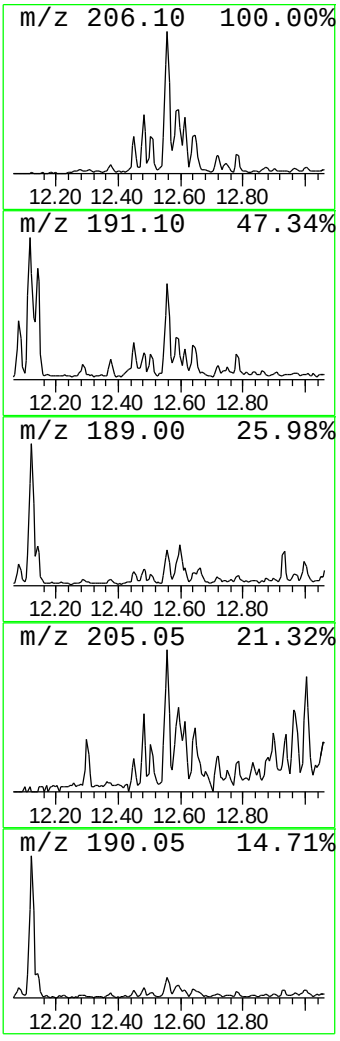
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	4.42 ng	174170	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Library Search Compound Report

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Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

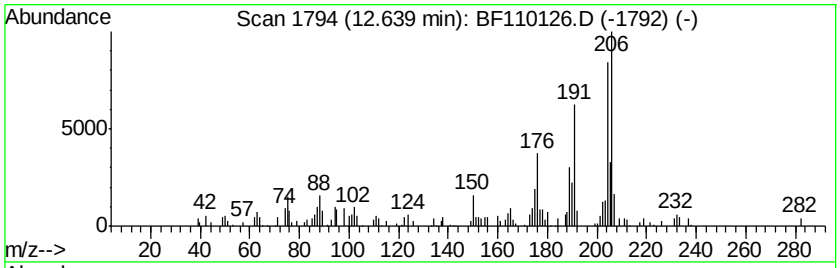
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

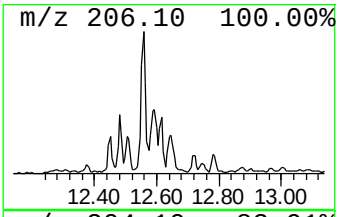
****

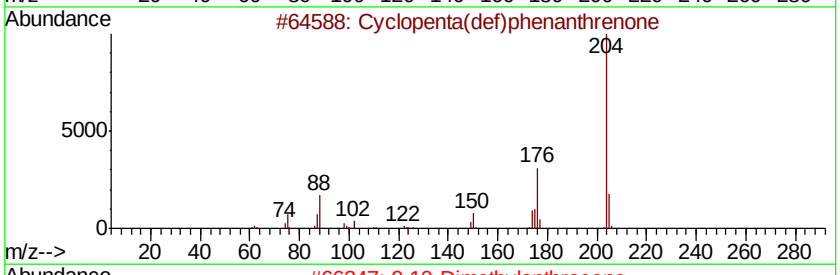
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 9

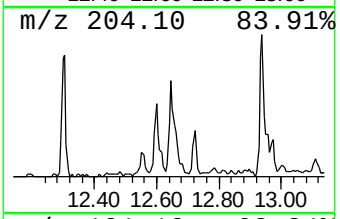
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	3.07 ng	121033	Phenanthrene-d10	11.50

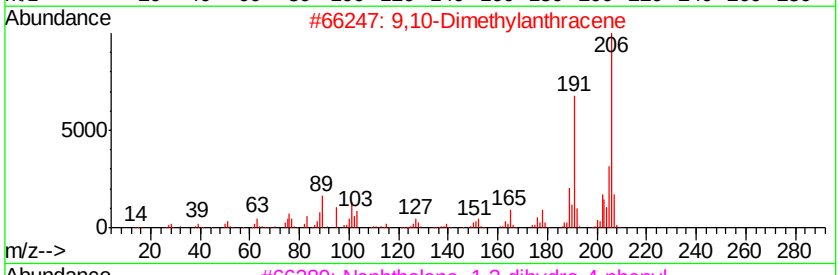
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	42
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	42
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38

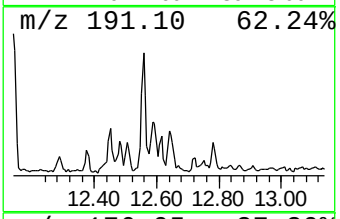


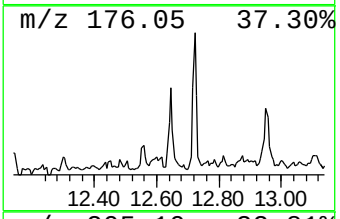


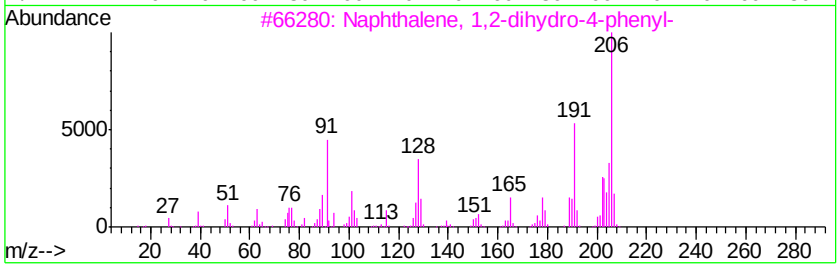


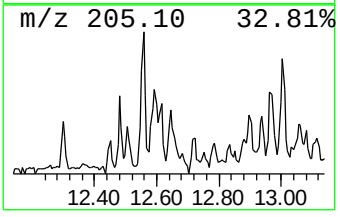












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
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Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

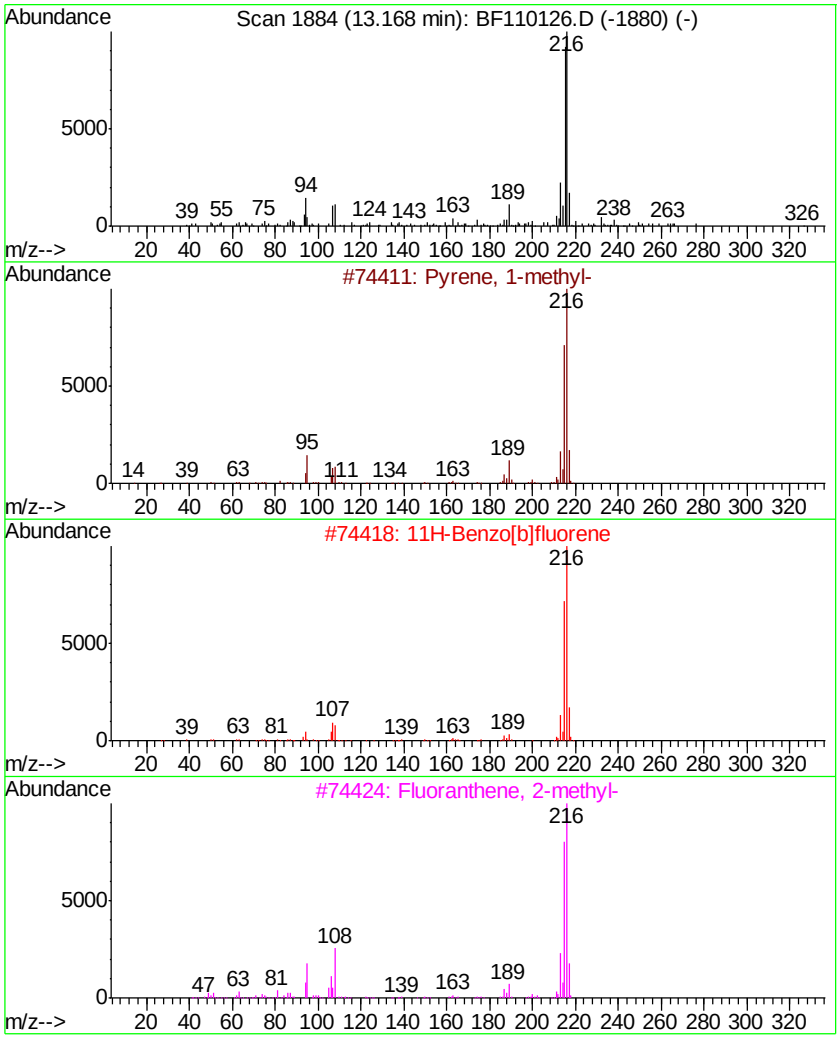
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

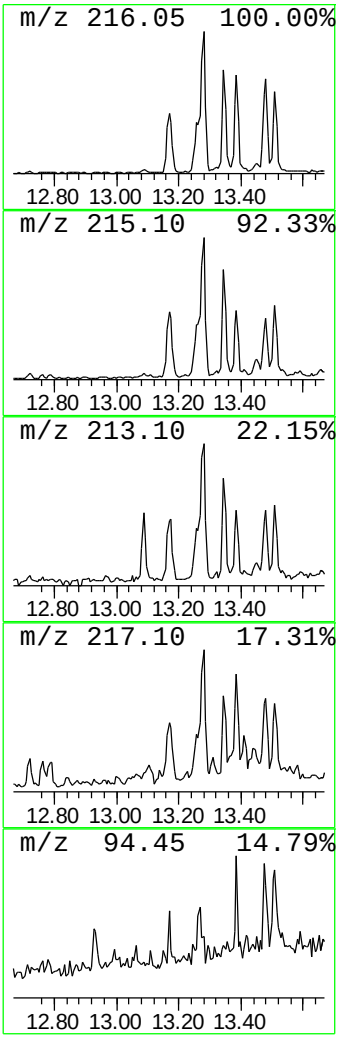
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.94 ng	175926	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58





Library Search Compound Report

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Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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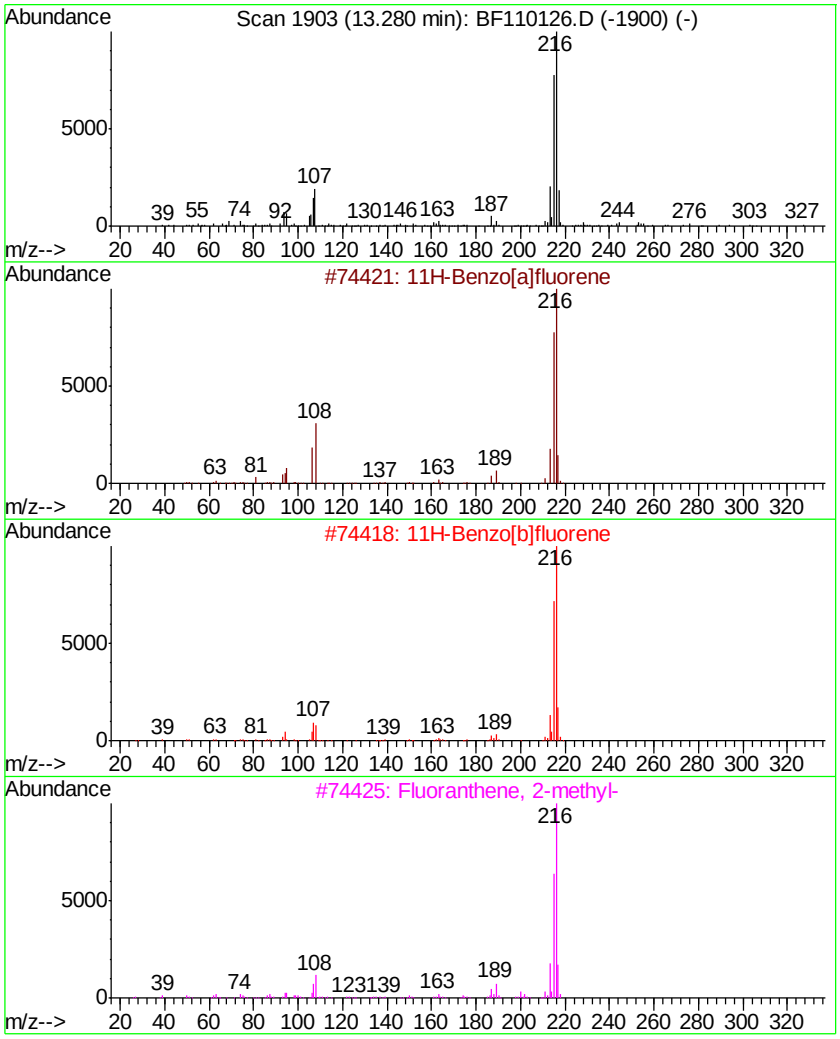
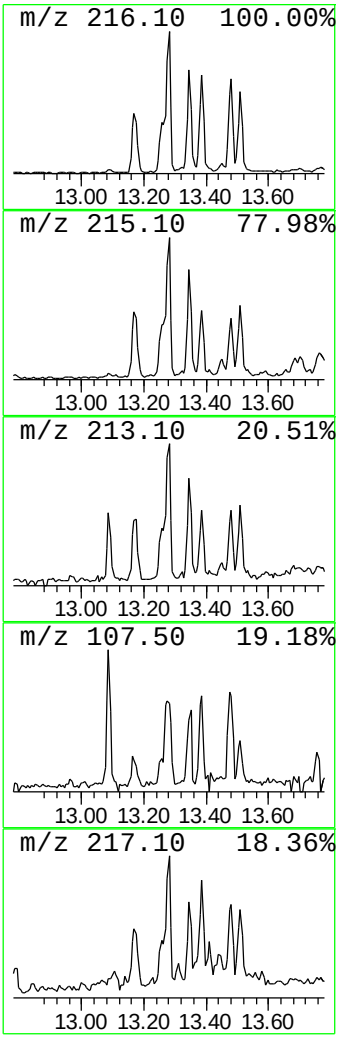
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	2.64 ng	157947	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	53





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Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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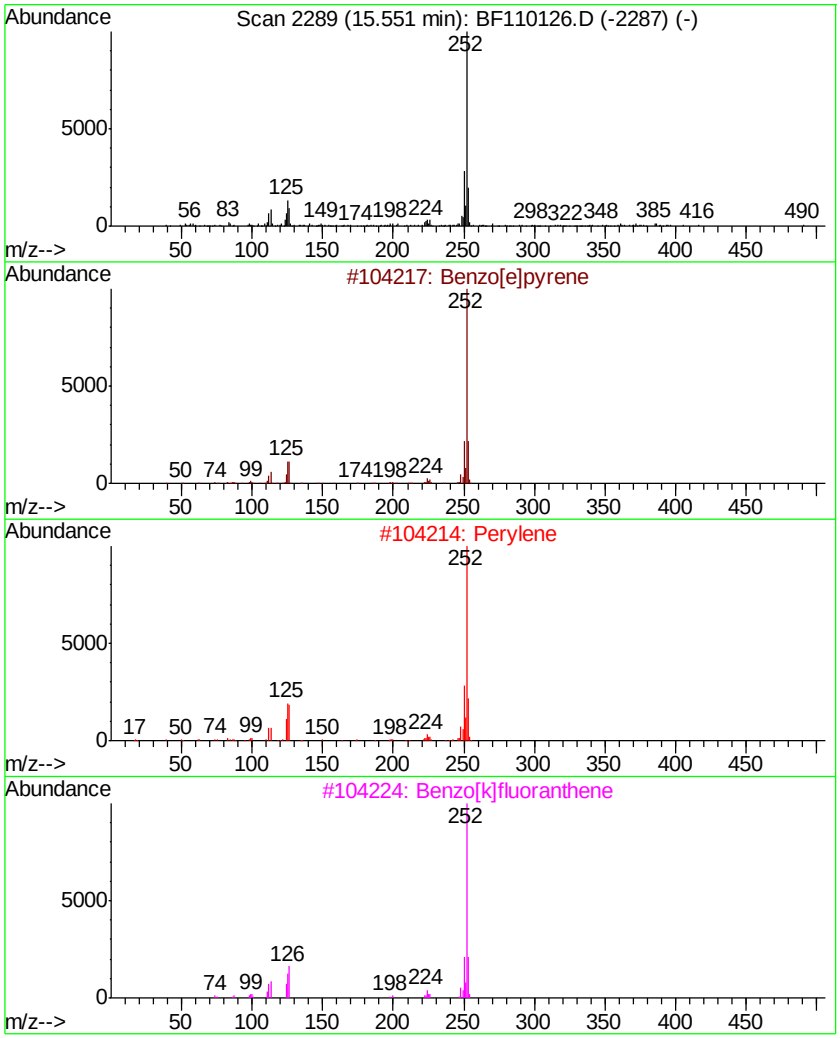
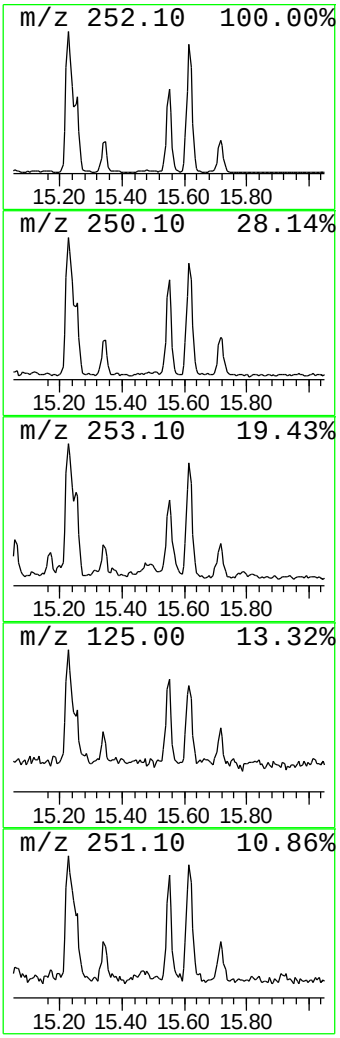
Peak Number 15 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	6.34 ng	169697	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
5	Benzo[a]pyrene	252	C20H12	000050-32-8	76





Tentatively Identified Compound (LSC) summary

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Data File : BF110126.D
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Misc :
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Instrument : BNA_F
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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.26	6.3	ng	228123	1	6.97	730429	20.0
unknown6.73	6.73	34.9	ng	1275240	1	6.97	730429	20.0
Dodecane	10.92	2.0	ng	80519	4	11.50	788913	20.0
Phenanthrene, 2-m...	12.00	4.0	ng	157845	4	11.50	788913	20.0
Anthracene, 2-met...	12.03	4.0	ng	157768	4	11.50	788913	20.0
4H-Cyclopenta[def...	12.12	6.4	ng	252146	4	11.50	788913	20.0
Phenanthrene, 4-m...	12.14	2.3	ng	91203	4	11.50	788913	20.0
9,10-Bis(bromomet...	12.30	2.1	ng	83896	4	11.50	788913	20.0
Phenanthrene, 2,5...	12.56	4.4	ng	174170	4	11.50	788913	20.0
Cyclopenta(def)ph...	12.64	3.1	ng	121033	4	11.50	788913	20.0
Pyrene, 1-methyl-	13.17	2.9	ng	175926	5	14.16	1195090	20.0
11H-Benzo[a]fluorene	13.28	2.6	ng	157947	5	14.16	1195090	20.0
Benzo[e]pyrene	15.55	6.3	ng	169697	6	15.69	535201	20.0