LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

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-BF071219.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	2.175	10	15	25	rVB	481967	649096	19.26%	1.178%
2	5.492	575	579	594	rBV	962702	947189	28.10%	1.719%
3	6.498	746	750	760	rBV	970440	819647	24.32%	1.487%
4	6.645	772	775	779	rBV	1019046	870240	25.82%	1.579%
5	6.881	811	815	819	rBV	1421895	1183442	35.11%	2.148%
6	7.039	838	842	845	rBV	839371	701713	20.82%	1.273%
7	7.434	904	909	916	rBV	581405	503956	14.95%	0.914%
8	8.163	1028	1033	1035	rBV	1759520	1503903	44.62%	2.729%
9	8.186	1035	1037	1040	rVB	665398	529735	15.72%	0.961%
10	8.875	1149	1154	1159	rBV	722655	594012	17.62%	1.078%
11	8.975	1166	1171	1176	rBV	867888	708236	21.01%	1.285%
12	9.233	1212	1215	1222	rBV	1108539	1015561	30.13%	1.843%
13	9.339	1226	1233	1236	rBV2	136079	160040	4.75%	0.290%
14	9.433	1247	1249	1255	rVB	139789	164972	4.89%	0.299%
15	9.504	1256	1261	1265	rVV	369034	505111	14.99%	0.917%
16	9.575	1269	1273	1276	rVV	613867	642328	19.06%	1.166%
17	9.604	1276	1278	1280	rVV	426371	330685	9.81%	0.600%
18	9.627	1280	1282	1287	rVV2	117206	177162	5.26%	0.321%
19	9.692	1290	1293	1299	rVV	303375	336629	9.99%	0.611%
20	9.775	1302	1307	1313	rBV	533998	510001	15.13%	0.925%
21	9.916	1328	1331	1334	rVB	1472269	1353099	40.15%	2.455%
22	9.951	1334	1337	1340	rVB	559179	456622	13.55%	0.829%
23	10.022	1346	1349	1353	rBV2	114192	144903	4.30%	0.263%
24	10.075	1353	1358	1362	rBV2	73214	120817	3.58%	0.219%
25	10.122	1362	1366	1369	rBV	546129	474766	14.09%	0.862%
26	10.157	1369	1372	1376	rVB	182470	153762	4.56%	0.279%
27	10.233	1381	1385	1388	rBV2	169851	172478	5.12%	0.313%
28	10.263	1388	1390	1393	rVB	147955	107807	3.20%	0.196%
29	10.327	1396	1401	1402	rBV	113322	142362	4.22%	0.258%
30	10.463	1421	1424	1430	rVB	1001156	886218	26.29%	1.608%
31	10.527	1430	1435	1437	rBV2	140912	193356	5.74%	0.351%
32	10.551	1437	1439	1441	rVV3	134953	114791	3.41%	0.208%
33	10.575	1441	1443	1445	rVV2	123027	101103	3.00%	0.183%
34	10.622	1448	1451	1455	rVB	187537	176657	5.24%	0.321%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.704	1460	1465	1469	rVV	610814	687476	20.40%	1.248%
36	10.827	1482	1486	1492	rVB4	134243	177228	5.26%	0.322%
37	11.010	1512	1517	1520	rBV2	233127	287518	8.53%	0.522%
38	11.039	1520	1522	1525	rVV2	179450	161651	4.80%	0.293%
39	11.098	1528	1532	1535	rVB	137497	139410	4.14%	0.253%
40	11.139	1535	1539	1541	rBV3	82425	118702	3.52%	0.215%
41	11.163	1541	1543	1547	rVV2	134226	130691	3.88%	0.237%
42	11.251	1554	1558	1560	rVV	89744	106934	3.17%	0.194%
43	11.298	1563	1566	1572	rVB	356087	349670	10.38%	0.635%
44	11.404	1580	1584	1586	rBV	1478262	1452024	43.08%	2.635%
45	11.427	1586	1588	1592	rVV	3284040	2944111	87.35%	5.342%
46	11.474	1593	1596	1600	rVV	943882	889365	26.39%	1.614%
47	11.510	1600	1602	1606	rVB2	120993	120858	3.59%	0.219%
48	11.627	1619	1622	1625	rBV	196765	165575	4.91%	0.300%
49	11.698	1631	1634	1636	rVB	163388	112381	3.33%	0.204%
50	11.733	1636	1640	1645	rVB	204733	193592	5.74%	0.351%
51	11.798	1645	1651	1652	rBV	179050	166186	4.93%	0.302%
52	11.816	1652	1654	1658	rVB	132695	134081	3.98%	0.243%
53	11.904	1665	1669	1671	rBV	724359	610897	18.13%	1.109%
54	11.933	1671	1674	1678	rVB	912440	805715	23.91%	1.462%
55	11.980	1678	1682	1684	rBV	325086	289795	8.60%	0.526%
56	12.016	1684	1688	1691	rVV2	1097847	1286821	38.18%	2.335%
57	12.039	1691	1692	1696	rVB	533319	291359	8.64%	0.529%
58	12.198	1716	1719	1721	rVV	327697	272195	8.08%	0.494%
59	12.221	1721	1723	1730	rVB4	200110	214514	6.36%	0.389%
60	12.345	1742	1744	1747	rVB	123787	103899	3.08%	0.189%
61	12.380	1747	1750	1752	rBV	144046	134258	3.98%	0.244%
62	12.404	1752	1754	1756	rVB	120715	96426	2.86%	0.175%
63	12.451	1759	1762	1765	rBV	386976	436574	12.95%	0.792%
64	12.480	1765	1767	1769	rVV2	640636	692591	20.55%	1.257%
65	12.504	1769	1771	1774	rVV2	857465	774002	22.97%	1.405%
66	12.539	1774	1777	1782	rVV3	216743	300523	8.92%	0.545%
67	12.586	1782	1785	1787	rVV2	104213	103730	3.08%	0.188%
68	12.616	1787	1790	1794	rVV	2796314	2704336	80.24%	4.907%
69	12.663	1795	1798	1799	rVV	113984	109536	3.25%	0.199%
70	12.710	1803	1806	1809	rVV	165812	142703	4.23%	0.259%
71	12.768	1813	1816	1820	rVV2	140028	181838	5.40%	0.330%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.845	1823	1829	1835	rBV	2897828	3370291	100.00%	6.116%
73	12.892	1835	1837	1842	rVB2	134529	194548	5.77%	0.353%
74	12.963	1846	1849	1850	rVV2	160030	150069	4.45%	0.272%
75	12.980	1850	1852	1861	rVB	935983	983011	29.17%	1.784%
76	13.063	1861	1866	1869	rBV2	326364	506417	15.03%	0.919%
77	13.151	1877	1881	1882	rVV2	288952	358373	10.63%	0.650%
78	13.168	1882	1884	1888	rVB	599383	558880	16.58%	1.014%
79	13.239	1893	1896	1898	rVB	439351	365487	10.84%	0.663%
80	13.274	1898	1902	1905	rBV2	483345	445552	13.22%	0.809%
81	13.368	1915	1918	1920	rBV	329479	268248	7.96%	0.487%
82	13.398	1920	1923	1927	rVV	335472	277323	8.23%	0.503%
83	13.674	1968	1970	1975	rVB2	185118	245455	7.28%	0.445%
84	13.786	1985	1989	1992	rBV2	268292	390982	11.60%	0.709%
85	13.815	1992	1994	1996	rVV	257755	205623	6.10%	0.373%
86	13.839	1996	1998	2002	rVV2	181001	205037	6.08%	0.372%
87	14.033	2027	2031	2035	rBV2	1889349	2894518	85.88%	5.252%
88	14.068	2035	2037	2042	rVB	1475744	1226533	36.39%	2.226%
89	14.257	2067	2069	2073	rBV2	106008	122996	3.65%	0.223%
90	14.427	2095	2098	2101	rVB	398325	343814	10.20%	0.624%
91	14.457	2101	2103	2107	rVB	213335	199036	5.91%	0.361%
92	14.551	2116	2119	2121	rBV	214275	207534	6.16%	0.377%
93	15.086	2205	2210	2213	rBV	996993	1603433	47.58%	2.910%
94	15.192	2225	2228	2232	rVB	216572	222573	6.60%	0.404%
95	15.386	2257	2261	2267	rVB	606421	795970	23.62%	1.444%
96	15.451	2268	2272	2278	rVV	859616	1093961	32.46%	1.985%
97	15.515	2278	2283	2286	rVV	768497	1040533	30.87%	1.888%
98	15.545	2286	2288	2295	rVB2	341203	429907	12.76%	0.780%
99	16.986	2528	2533	2543	rVB2	316676	631770	18.75%	1.146%
100	17.427	2604	2608	2616	rVB	218993	428155	12.70%	0.777%

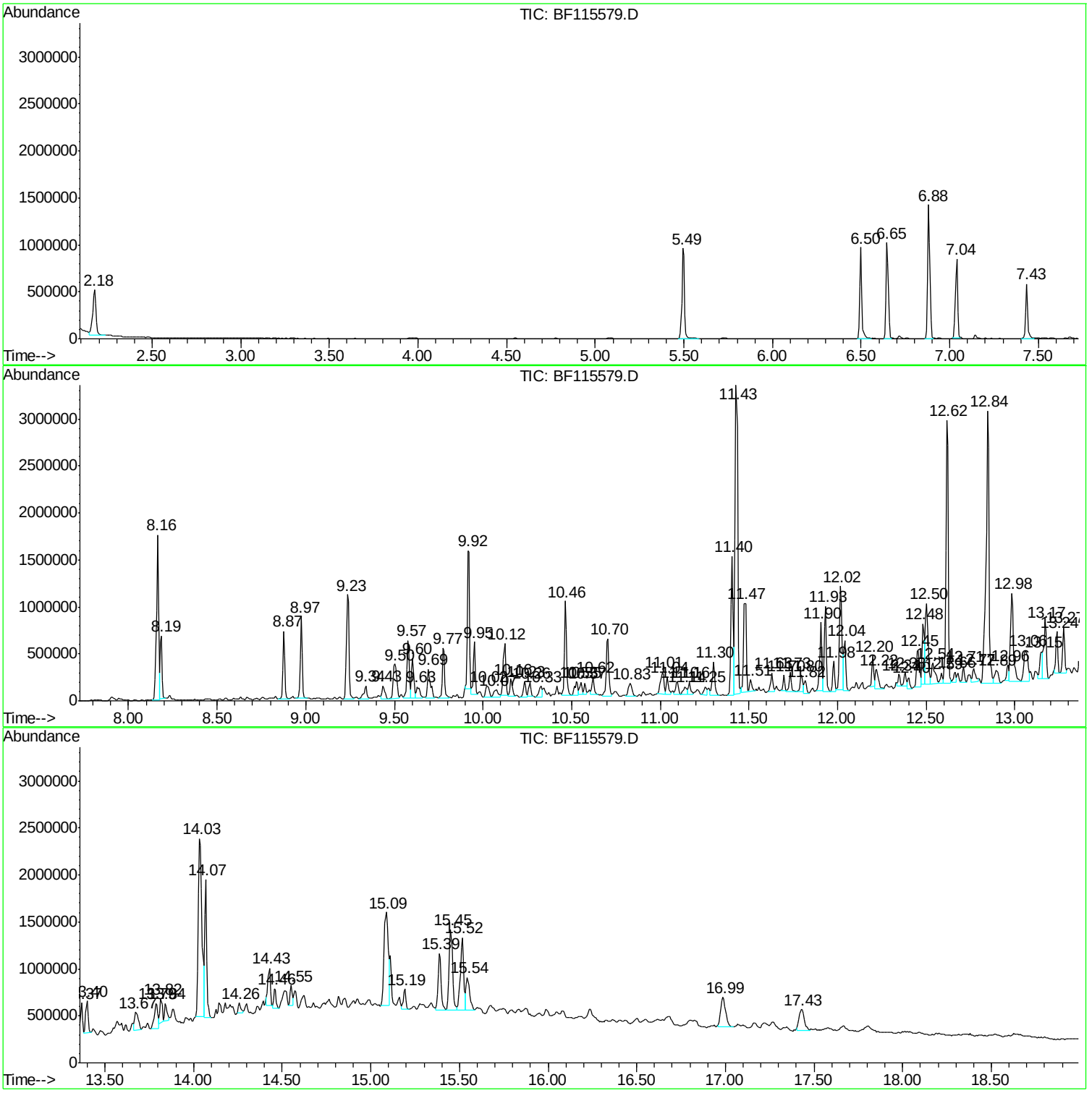
Sum of corrected areas: 55107593

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

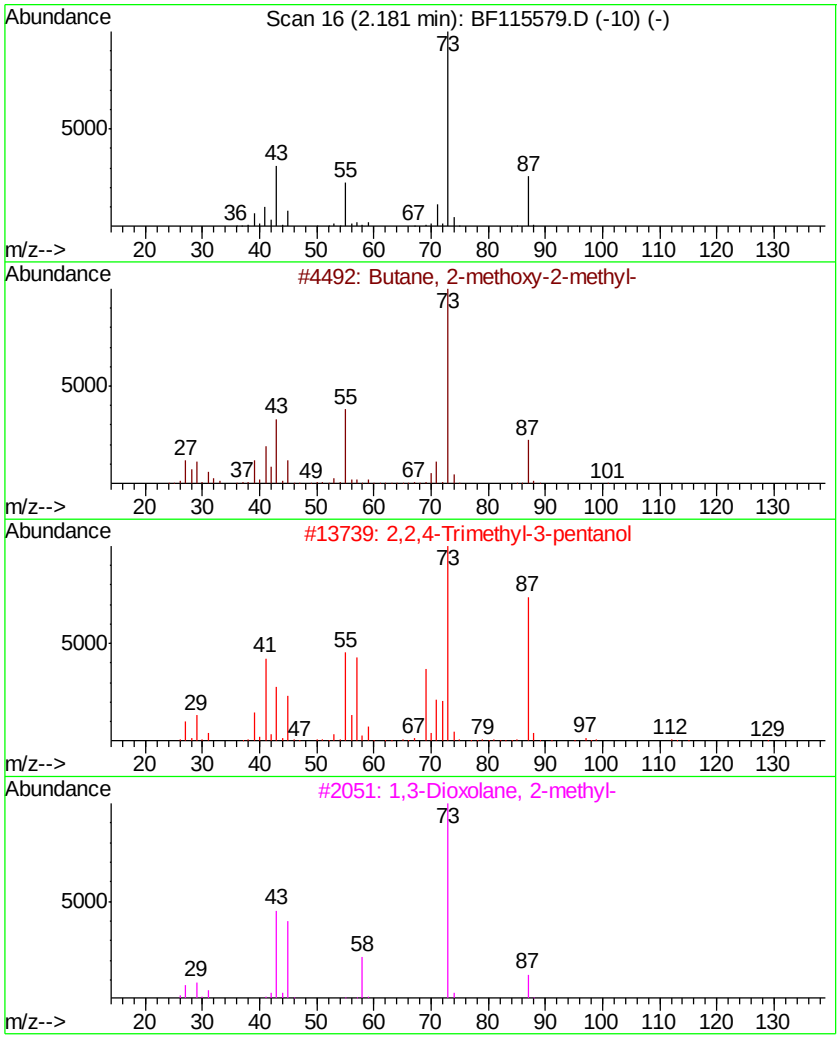
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

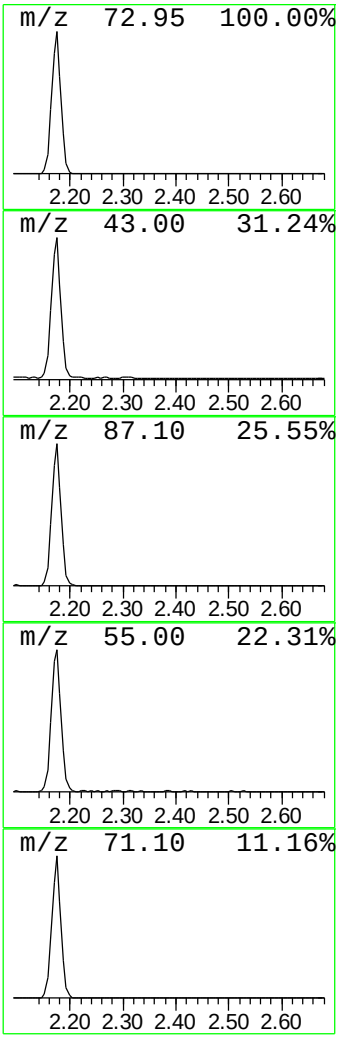
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	10.97 ng	649096	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

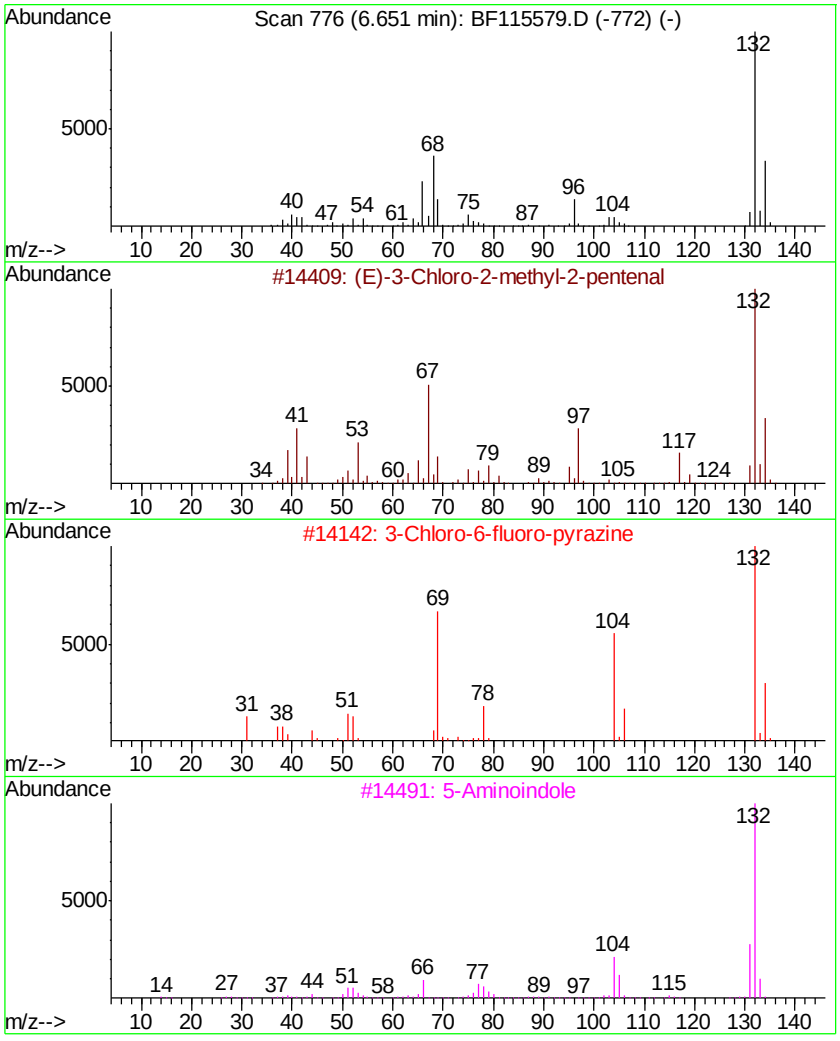
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

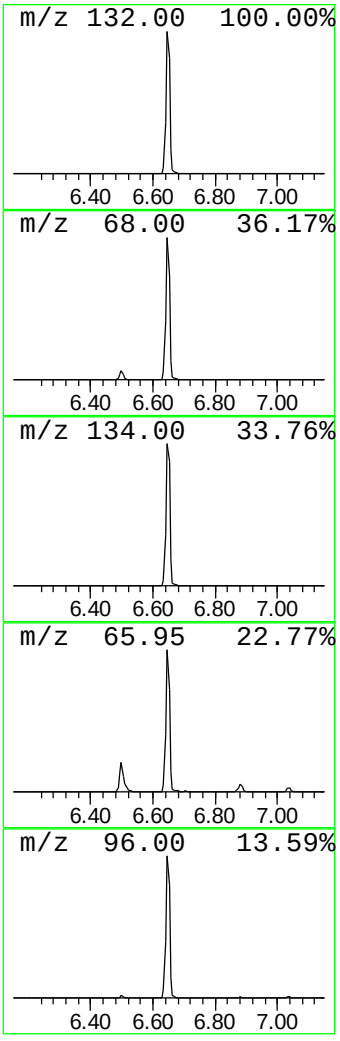
****

Peak Number 2 unknown6.65 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	14.71 ng	870240	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

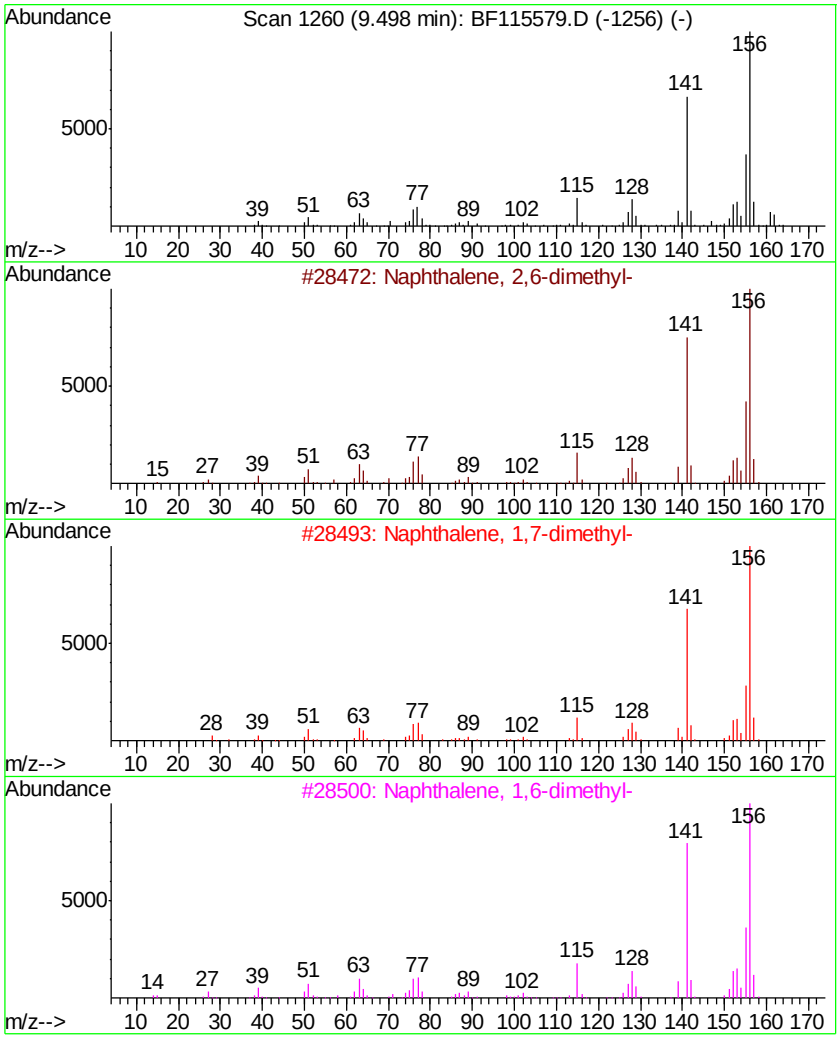
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

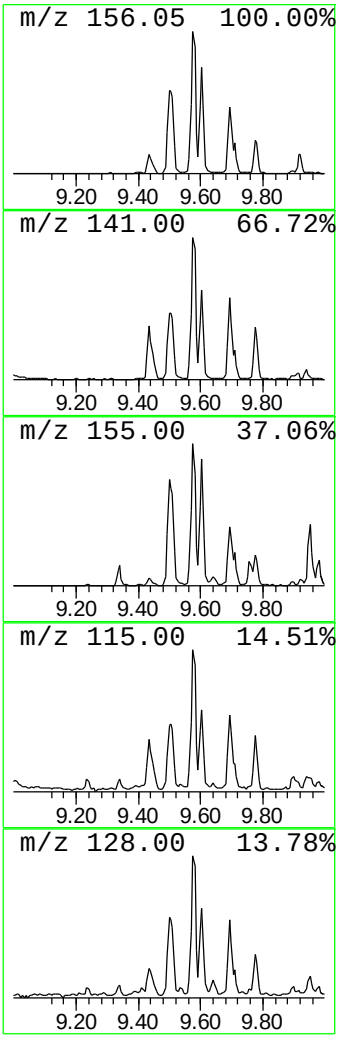
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	7.47 ng	505111	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

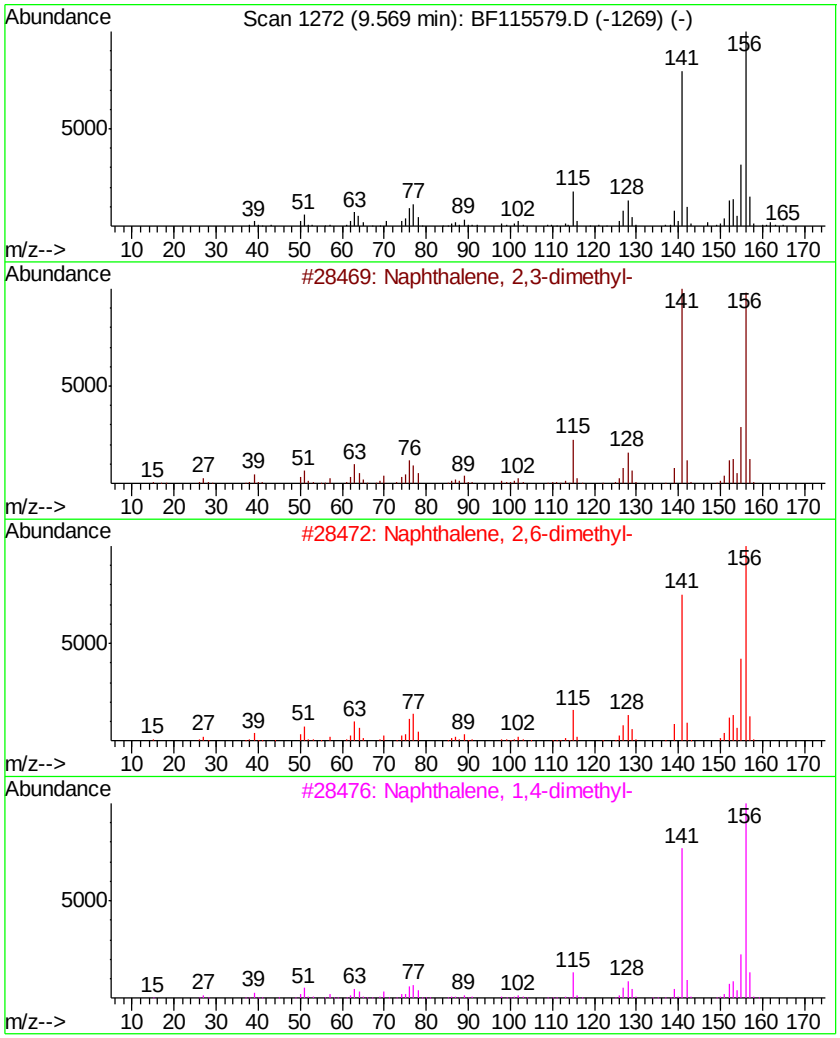
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

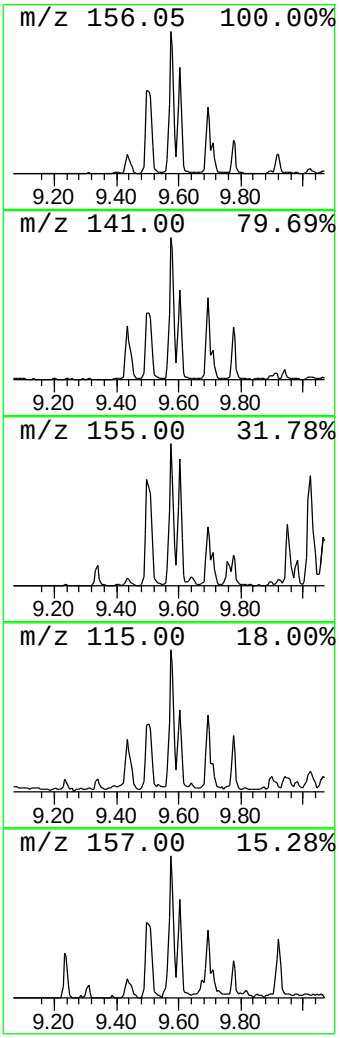
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	9.49 ng	642328	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

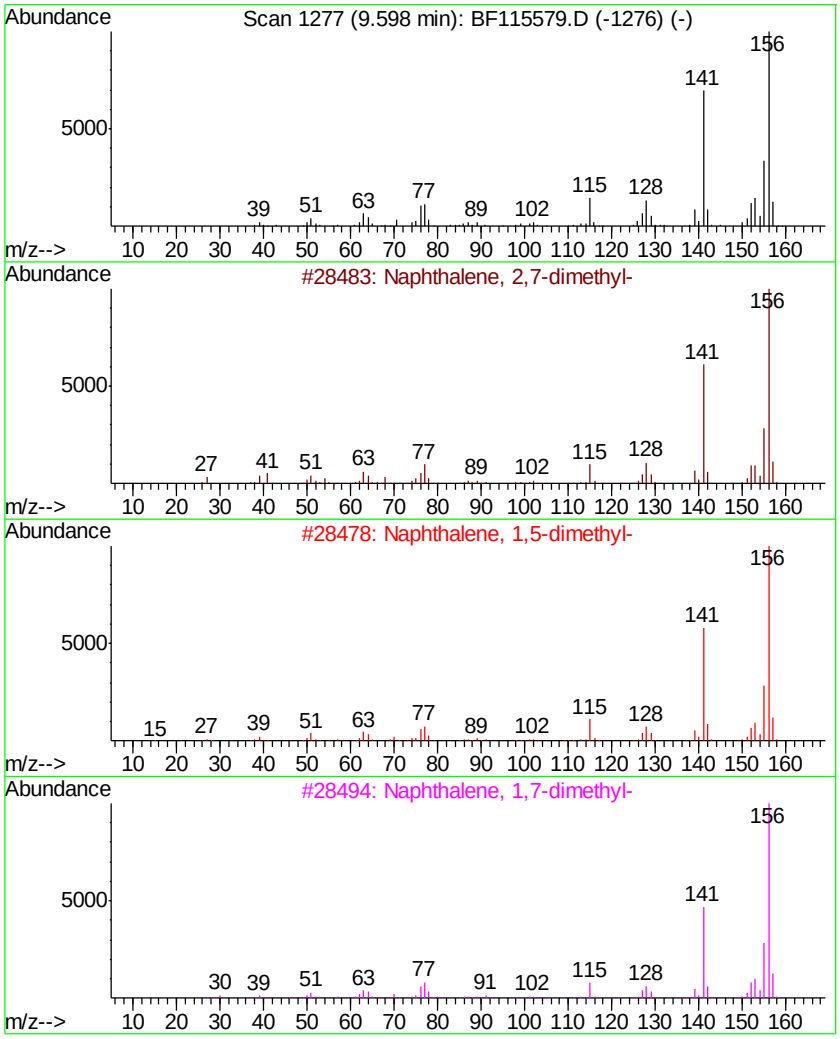
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

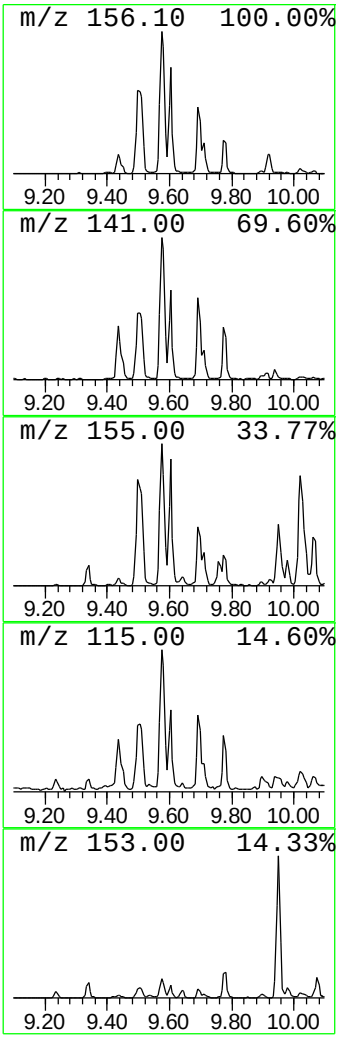
****

Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	4.89 ng	330685	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

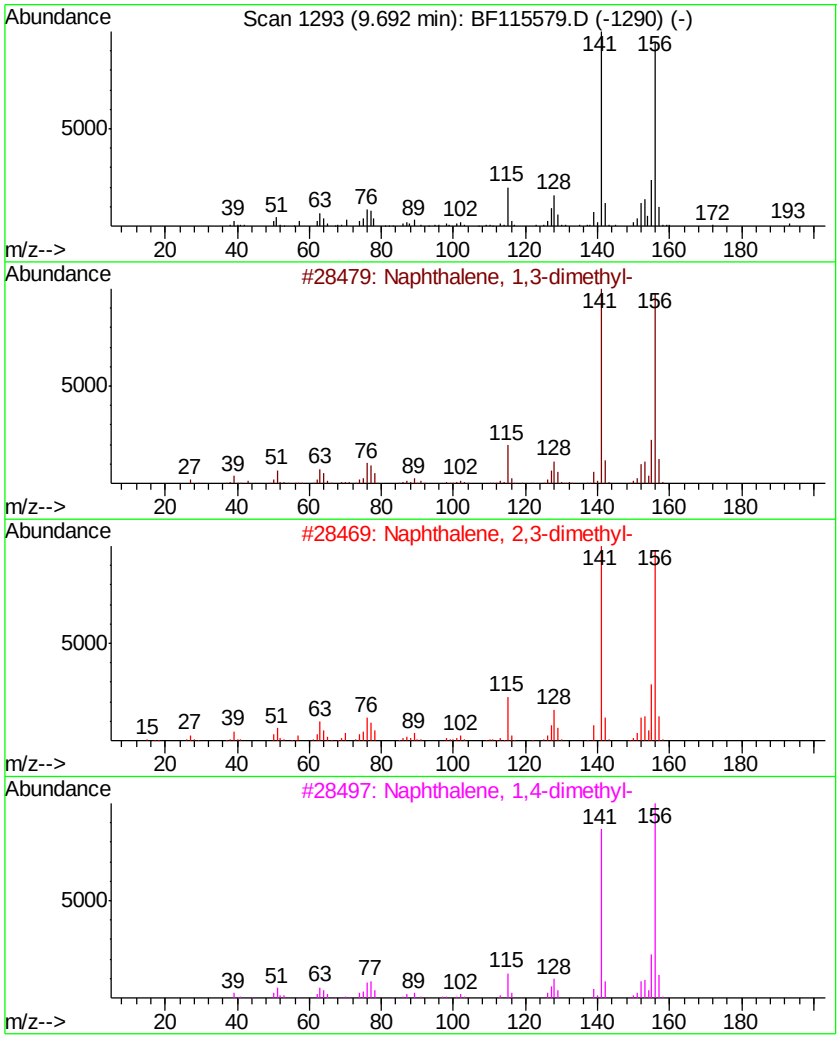
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

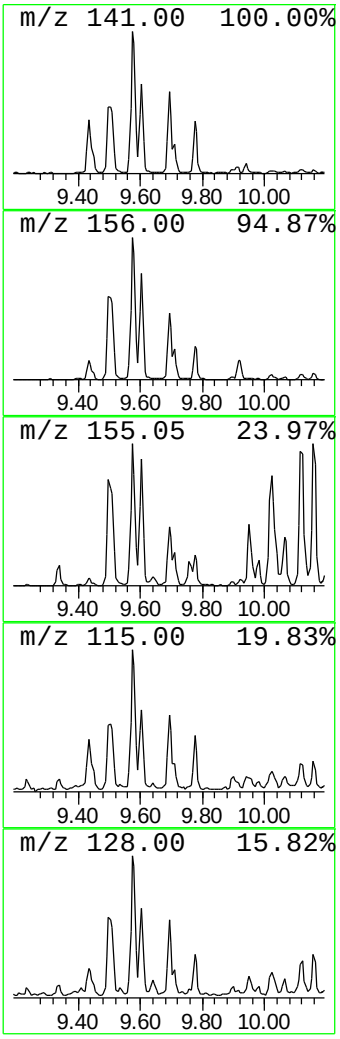
****

Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	4.98 ng	336629	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

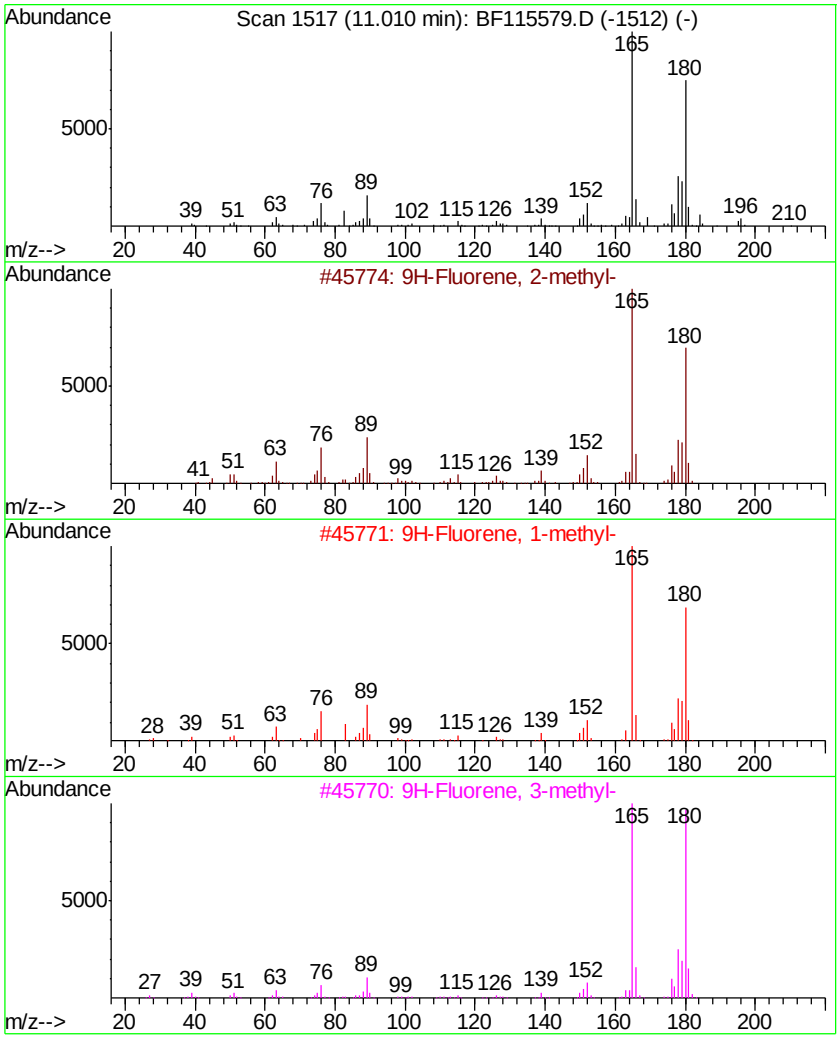
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

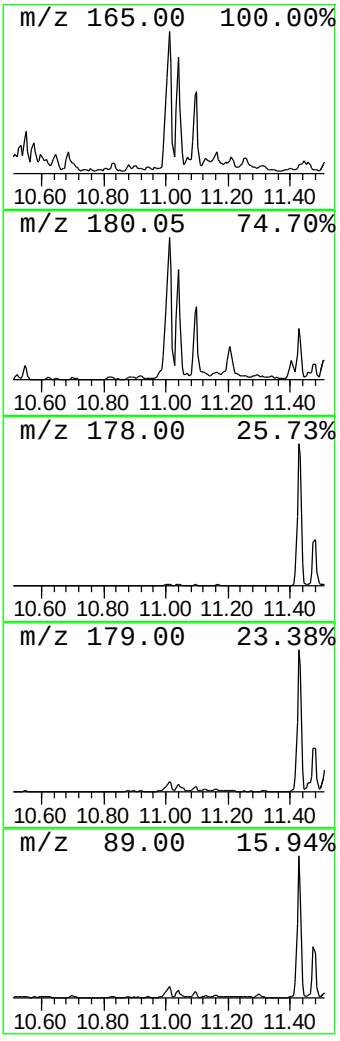
****

Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	3.96 ng	287518	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

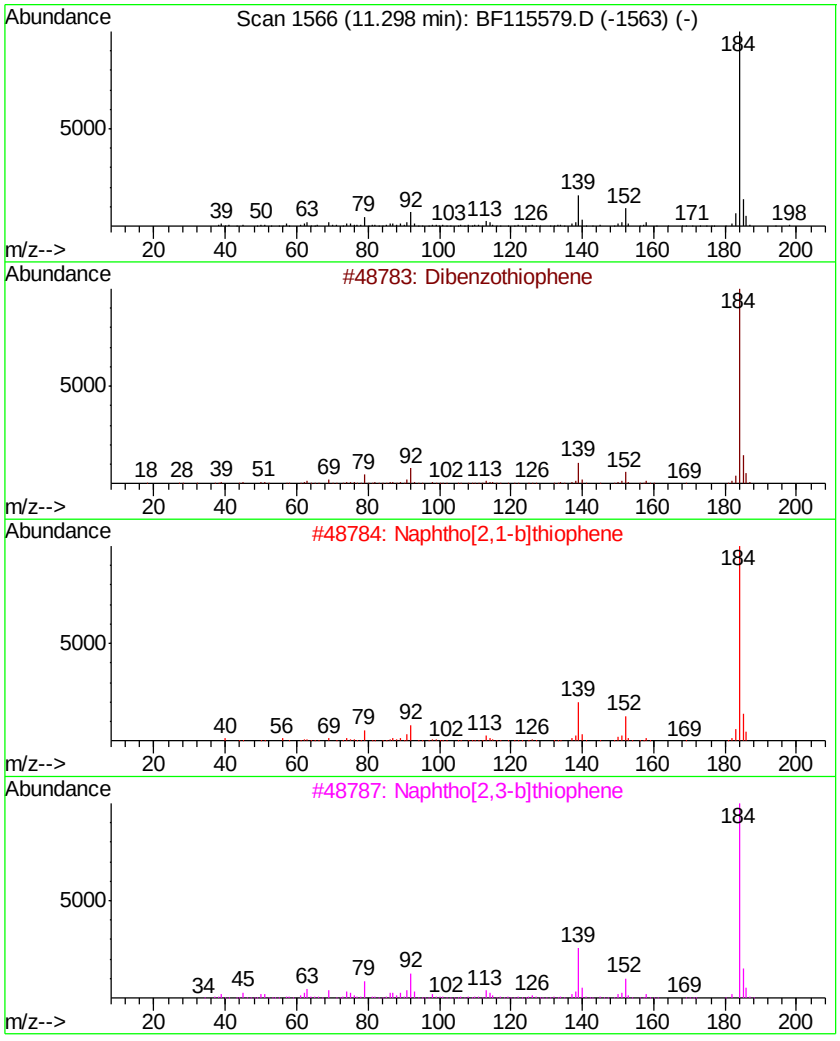
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

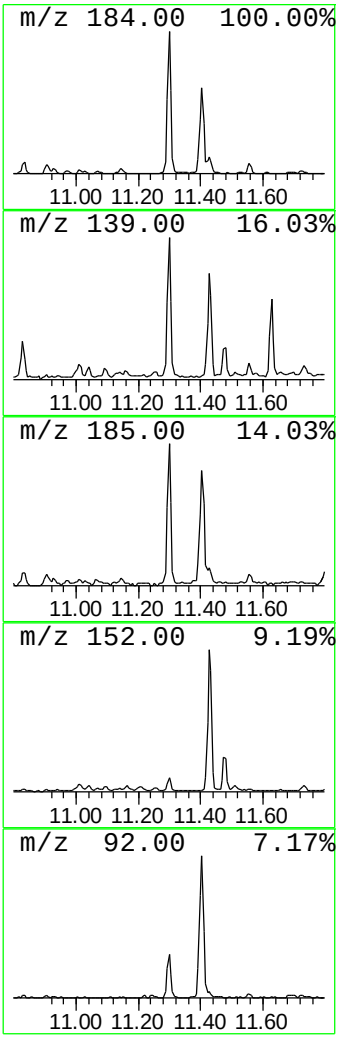
****

Peak Number 9 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	4.82 ng	349670	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

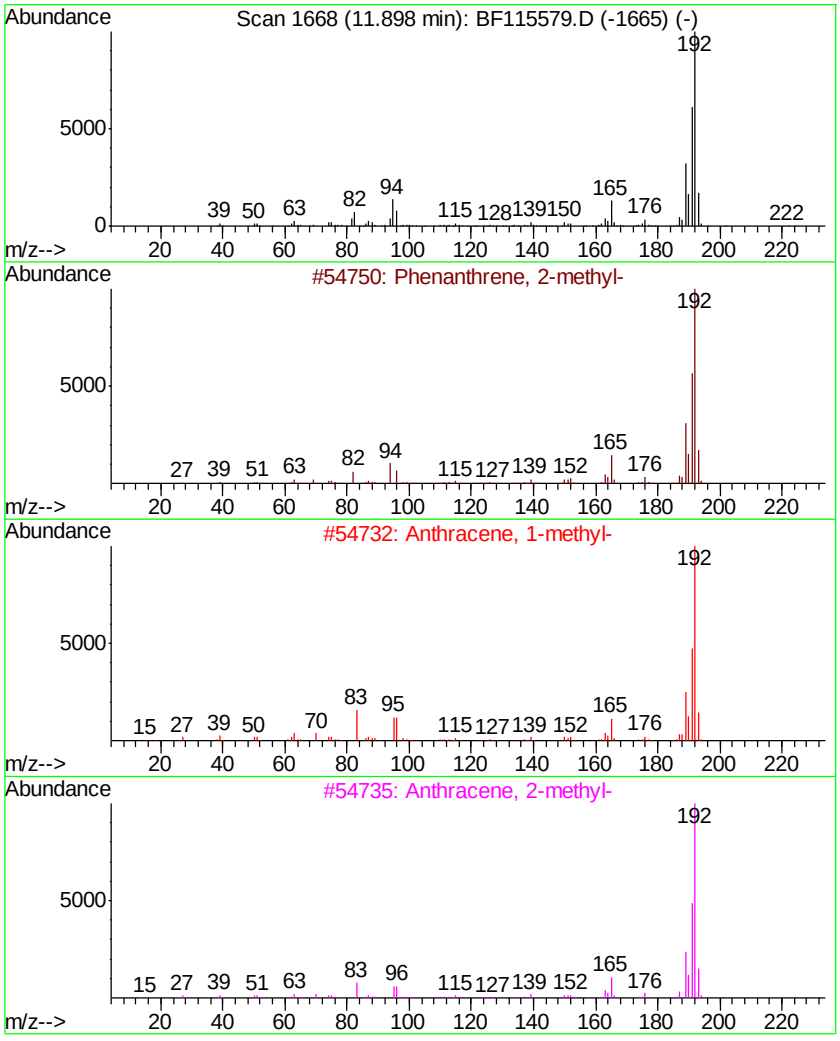
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

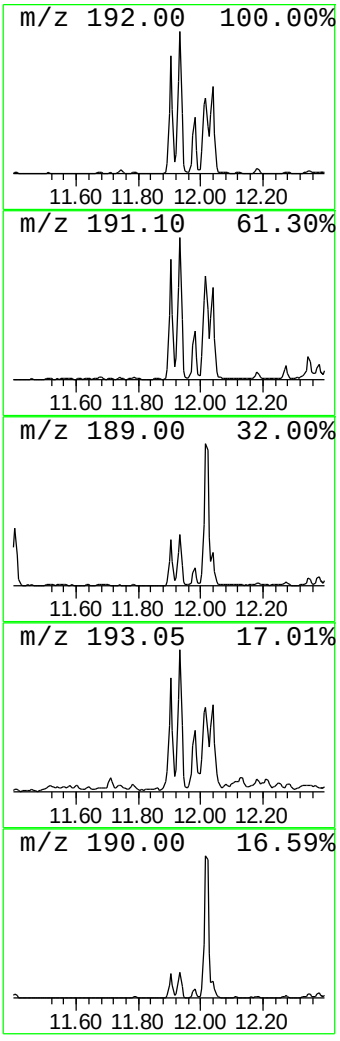
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	8.41 ng	610897	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

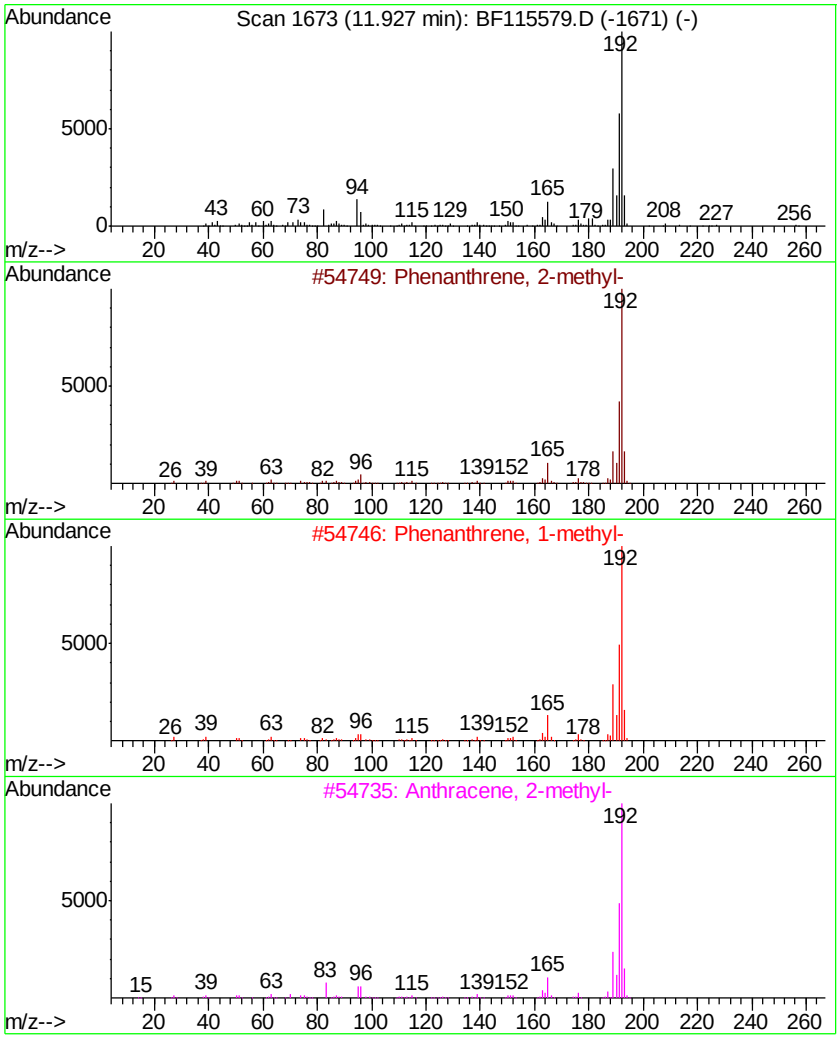
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

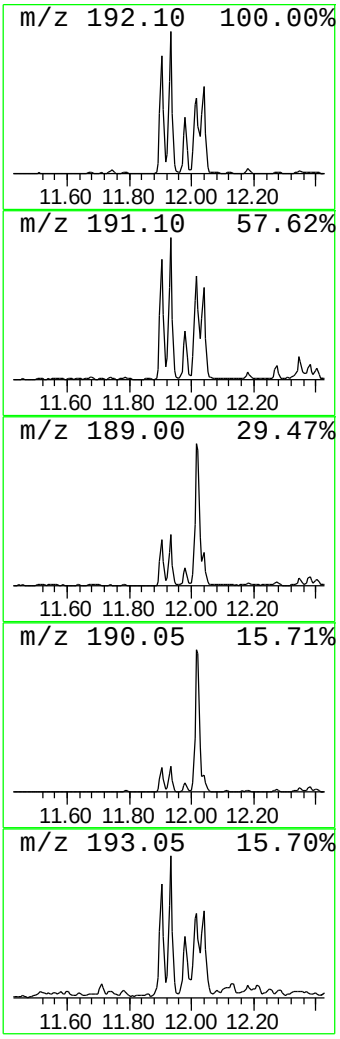
****

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	11.10 ng	805715	Phenanthrene-d10	11.40

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	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

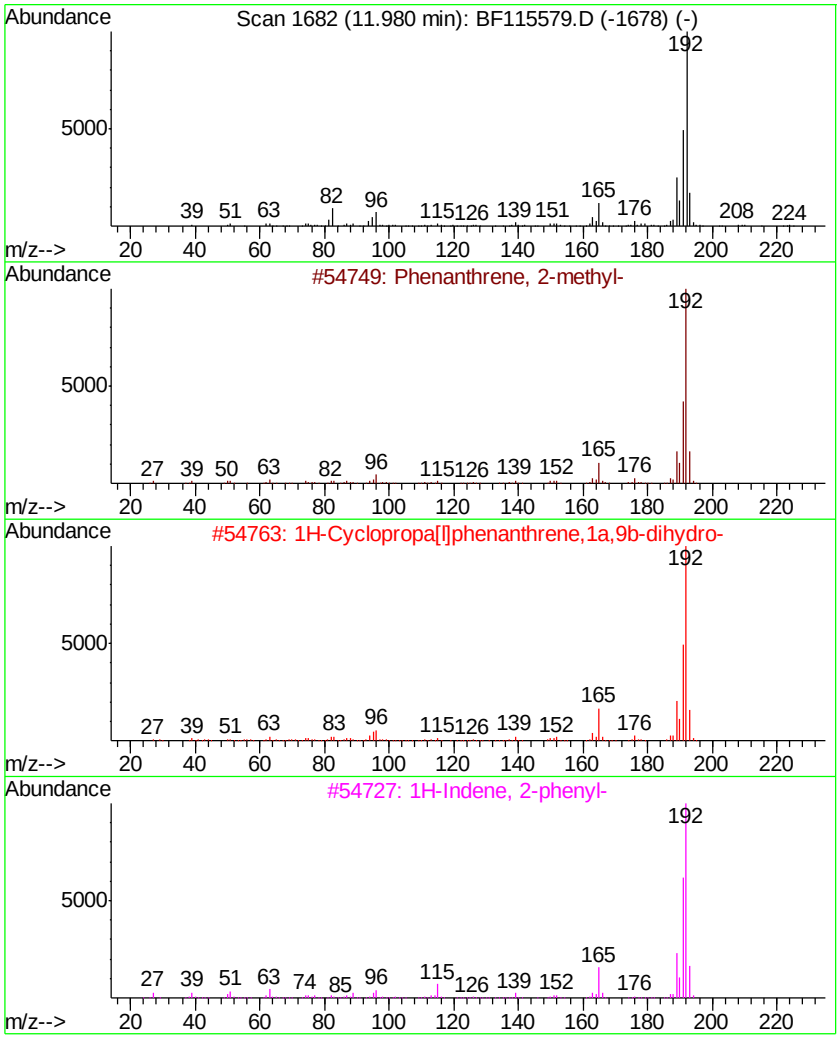
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

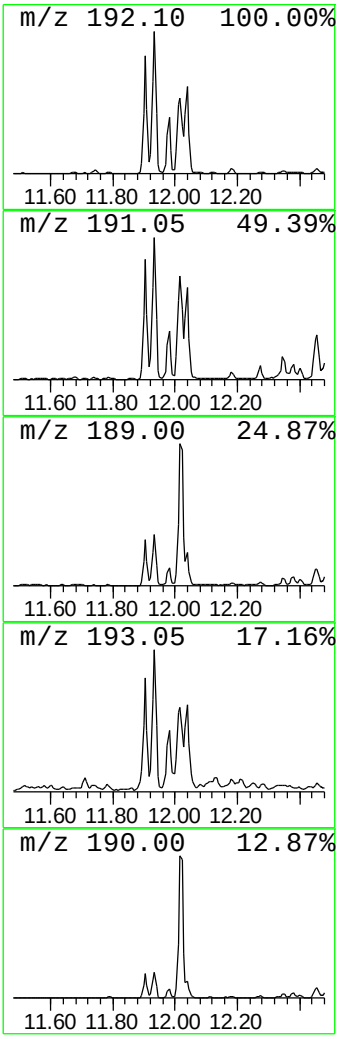
****

Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	3.99 ng	289795	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

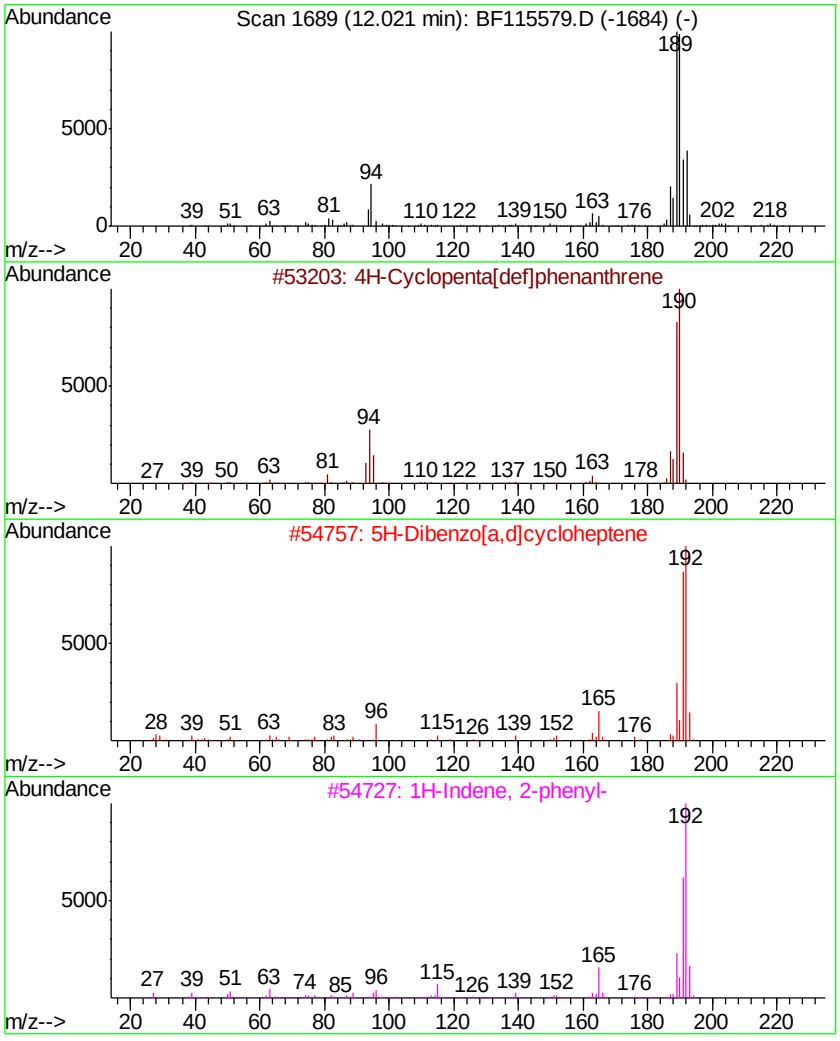
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

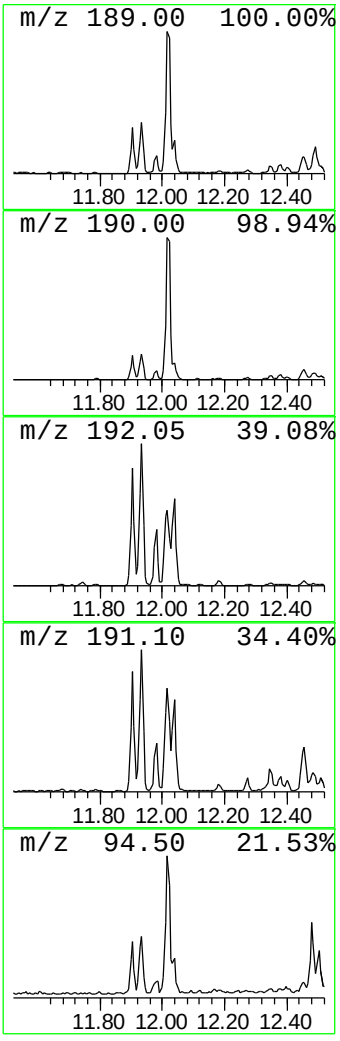
****

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	17.72 ng	1286820	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

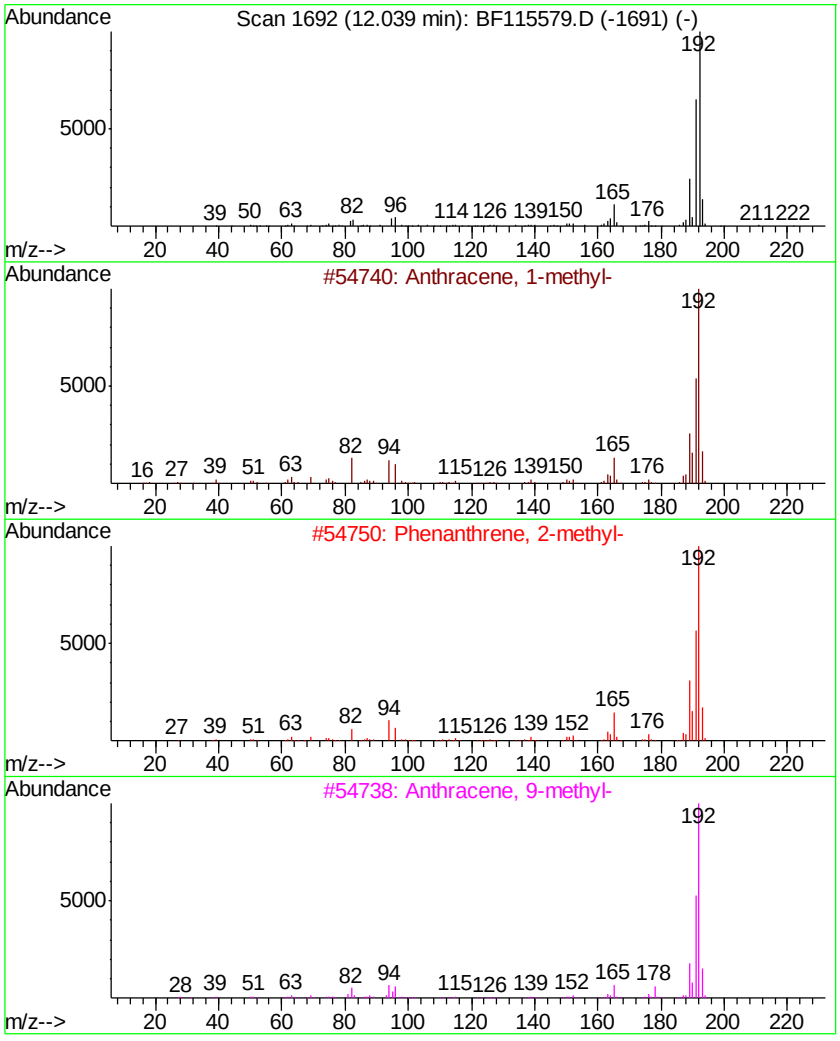
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

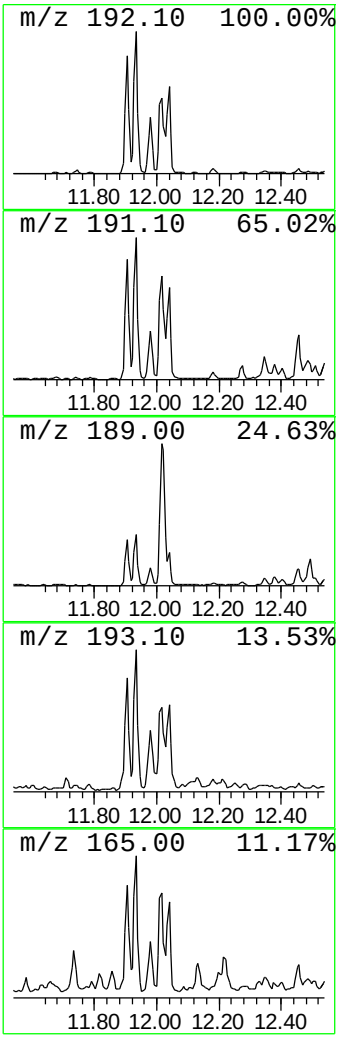
****

Peak Number 14 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	4.01 ng	291359	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

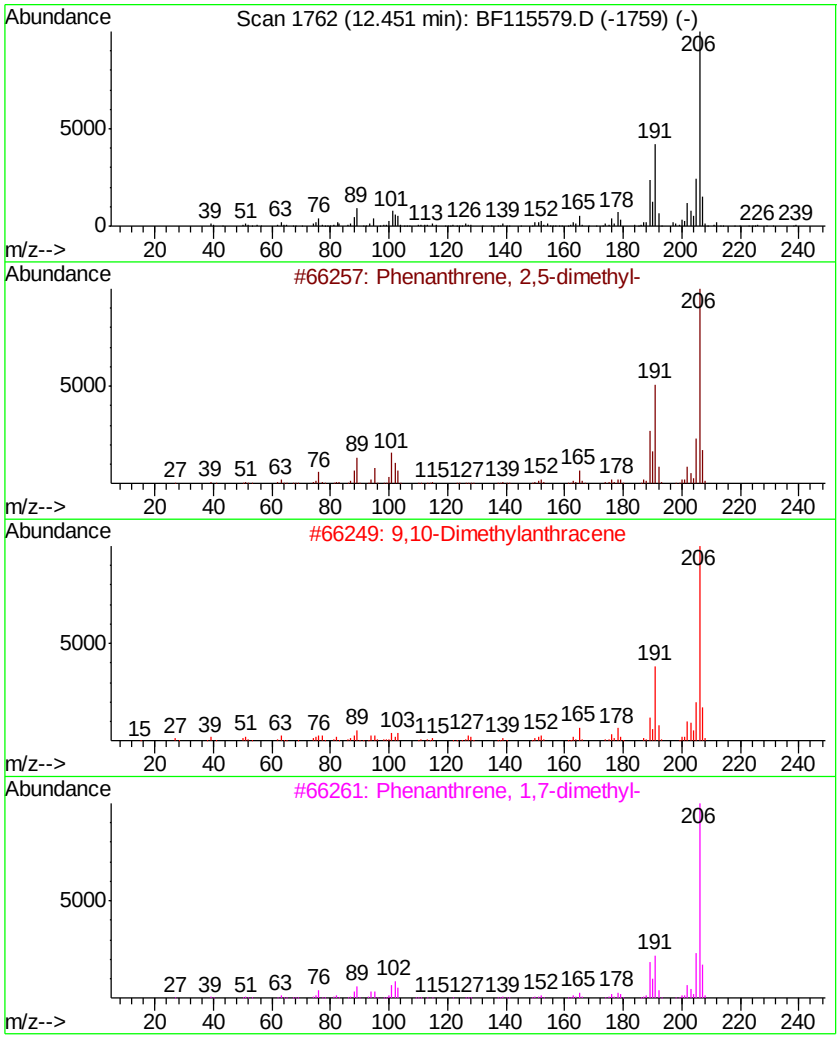
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

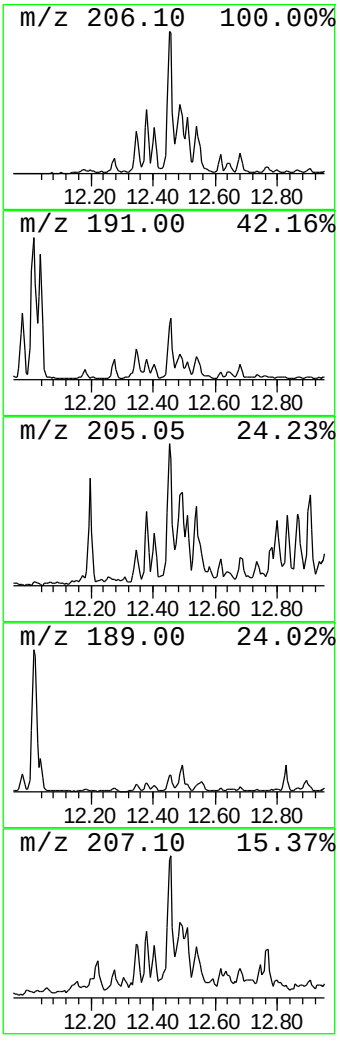
****

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	6.01 ng	436574	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

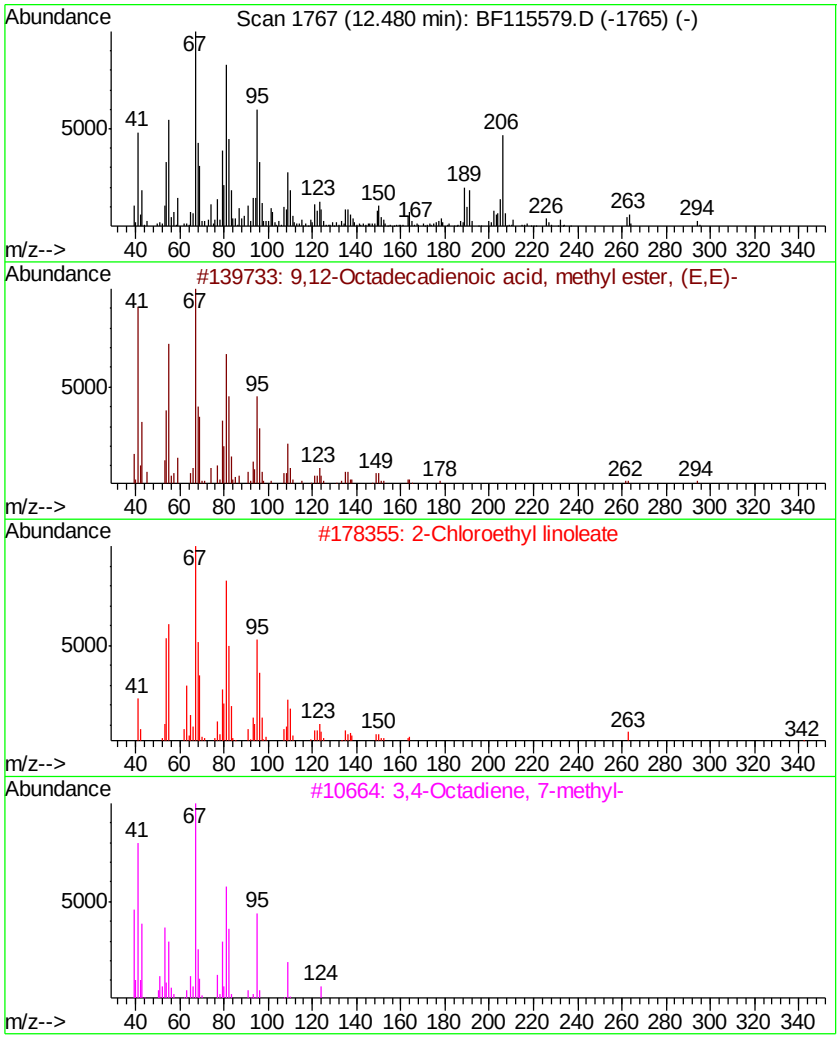
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

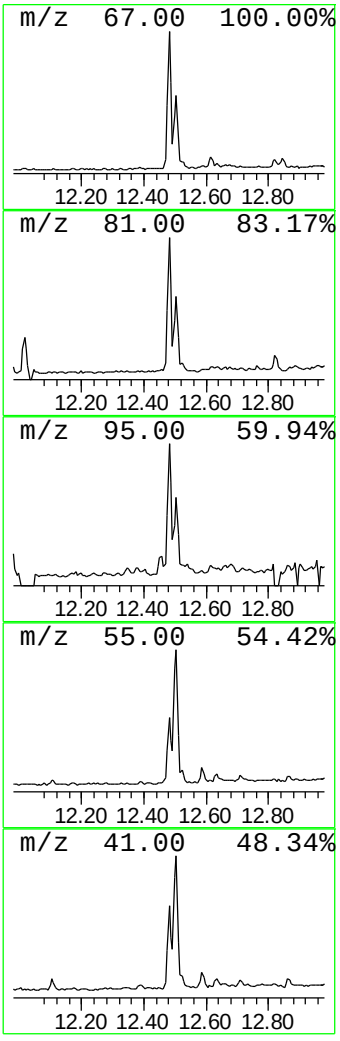
****

Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	9.54 ng	692591	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	96
2	2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	81
3	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	76
4	7-Hexadecyne	222	C16H30	074685-28-2	62
5	4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

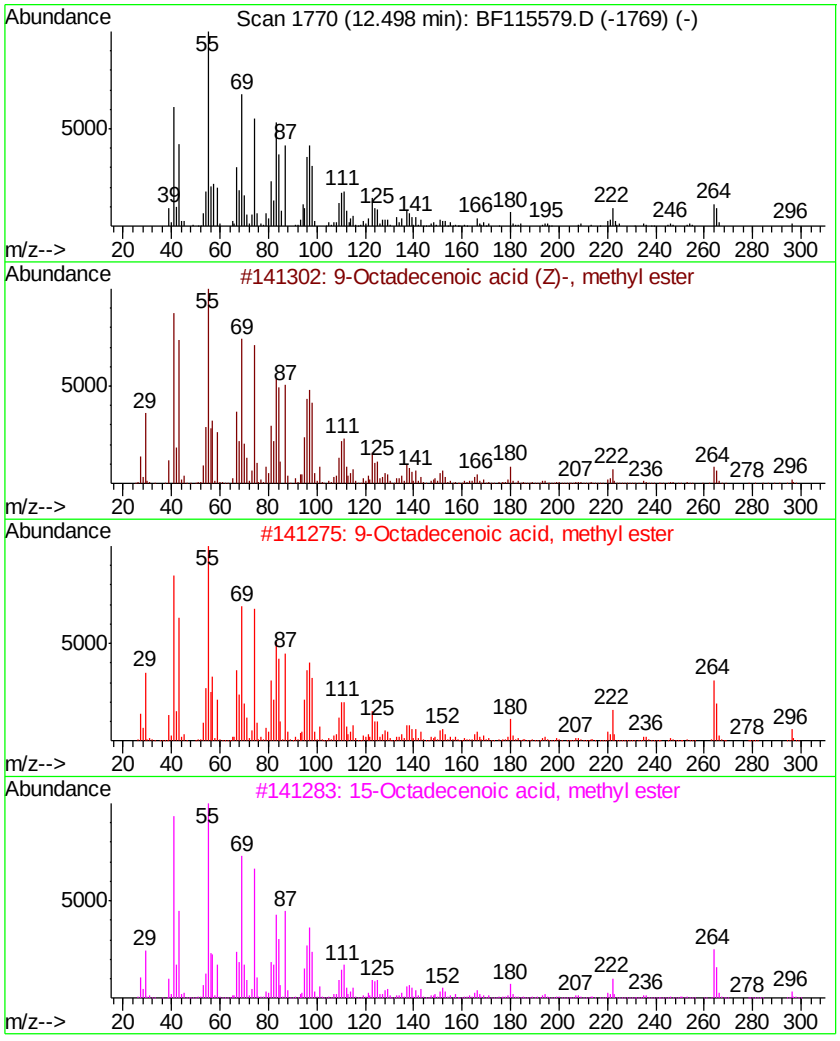
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

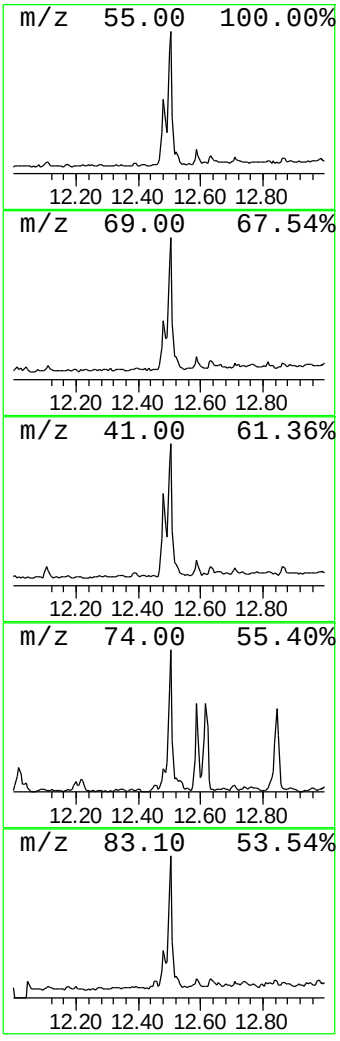
****

Peak Number 17 9-Octadecenoic acid (Z)-, m... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	10.66 ng	774002	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
4	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
5	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

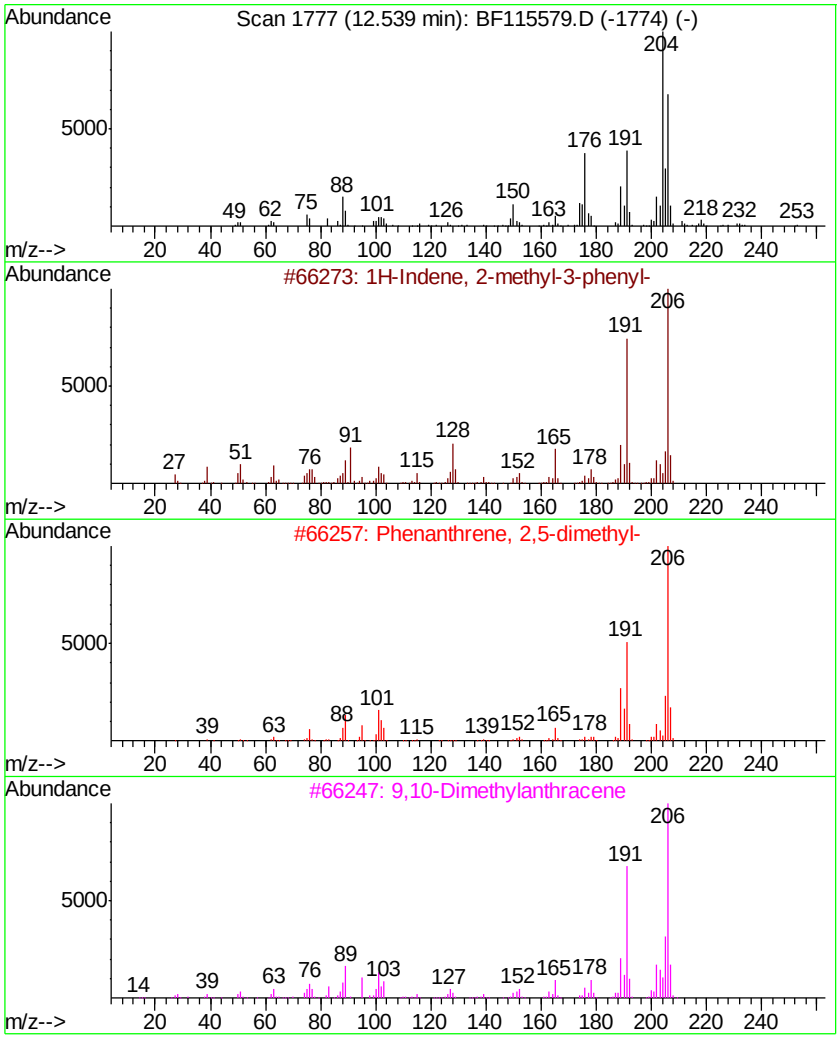
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

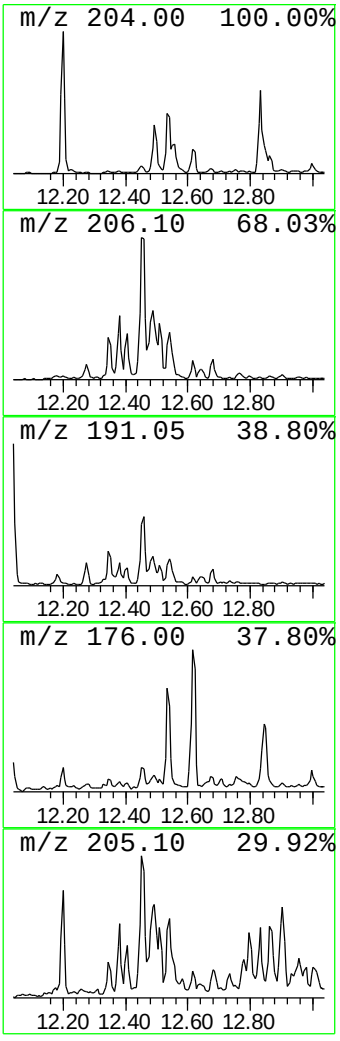
****

Peak Number 18 1H-Indene, 2-methyl-3-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	4.14 ng	300523	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	64
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	52
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

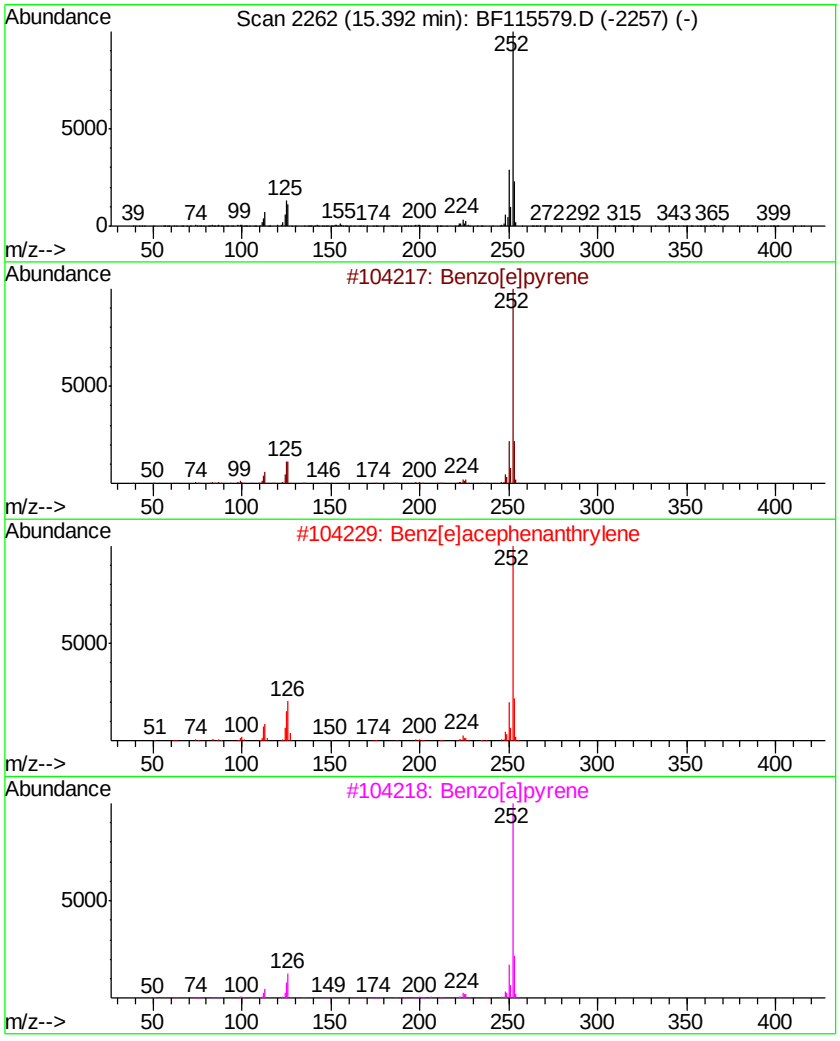
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

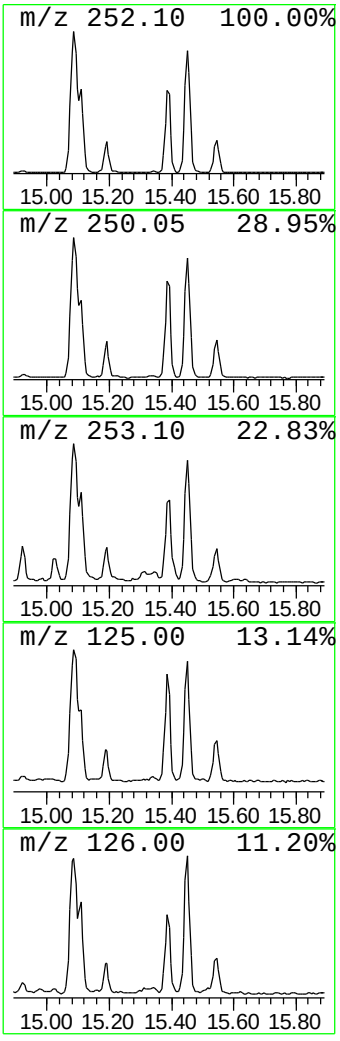
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	15.30 ng	795970	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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
Butane, 2-methoxy...	2.18	11.0	ng	649096	1	6.88	1183440	20.0
unknown6.65	6.65	14.7	ng	870240	1	6.88	1183440	20.0
Naphthalene, 2,6-...	9.50	7.5	ng	505111	3	9.92	1353100	20.0
Naphthalene, 2,3-...	9.57	9.5	ng	642328	3	9.92	1353100	20.0
Naphthalene, 2,7-...	9.60	4.9	ng	330685	3	9.92	1353100	20.0
Naphthalene, 1,3-...	9.69	5.0	ng	336629	3	9.92	1353100	20.0
9H-Fluorene, 2-me...	11.01	4.0	ng	287518	4	11.40	1452020	20.0
Dibenzothiophene	11.30	4.8	ng	349670	4	11.40	1452020	20.0
Phenanthrene, 2-m...	11.90	8.4	ng	610897	4	11.40	1452020	20.0
Phenanthrene, 1-m...	11.93	11.1	ng	805715	4	11.40	1452020	20.0
1H-Indene, 2-phenyl-	11.98	4.0	ng	289795	4	11.40	1452020	20.0
4H-Cyclopenta[def...	12.02	17.7	ng	1286820	4	11.40	1452020	20.0
Anthracene, 1-met...	12.04	4.0	ng	291359	4	11.40	1452020	20.0
Phenanthrene, 2,5...	12.45	6.0	ng	436574	4	11.40	1452020	20.0
9,12-Octadecadien...	12.48	9.5	ng	692591	4	11.40	1452020	20.0
9-Octadecenoic ac...	12.50	10.7	ng	774002	4	11.40	1452020	20.0
1H-Indene, 2-meth...	12.54	4.1	ng	300523	4	11.40	1452020	20.0
Benzo[e]pyrene	15.39	15.3	ng	795970	6	15.52	1040530	20.0