LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117727.D
Acq On : 8 Nov 2019 1:22
Operator : JU
Sample : K5722-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-B

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-BF110619.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	2.193	15	18	56	rVB3	344227	939086	32.62%	2.585%
2	4.528	411	415	421	rVB	61501	65290	2.27%	0.180%
3	5.134	514	518	528	rVB	584353	533028	18.52%	1.467%
4	5.534	582	586	589	rBV	953880	786554	27.32%	2.165%
5	6.540	753	757	763	rBV	1101033	1011707	35.15%	2.785%
6	6.645	772	775	779	rBV	58525	47906	1.66%	0.132%
7	6.692	779	783	787	rBV	1151736	950074	33.00%	2.615%
8	6.934	820	824	827	rBV	2305892	1807523	62.79%	4.975%
9	7.087	847	850	854	rBV	1012830	818993	28.45%	2.254%
10	7.487	914	918	921	rBV	777927	589570	20.48%	1.623%
11	8.222	1039	1043	1045	rBV	2833331	2379005	82.64%	6.548%
12	8.239	1045	1046	1049	rVB	136916	78485	2.73%	0.216%
13	8.934	1161	1164	1167	rBV	83557	62466	2.17%	0.172%
14	9.034	1178	1181	1185	rVB	78621	57807	2.01%	0.159%
15	9.292	1222	1225	1229	rVB	1416676	1215543	42.23%	3.346%
16	9.633	1278	1283	1286	rBV	64871	66244	2.30%	0.182%
17	9.686	1290	1292	1295	rVB	152002	110045	3.82%	0.303%
18	9.981	1338	1342	1345	rVV	3266000	2588461	89.92%	7.125%
19	10.010	1345	1347	1350	rVB	219513	178972	6.22%	0.493%
20	10.081	1356	1359	1364	rBV	32527	43757	1.52%	0.120%
21	10.181	1373	1376	1380	rVV	143924	138687	4.82%	0.382%
22	10.222	1380	1383	1388	rVB	74056	60438	2.10%	0.166%
23	10.298	1393	1396	1398	rBV	57006	51745	1.80%	0.142%
24	10.328	1398	1401	1403	rVB	67001	58004	2.02%	0.160%
25	10.386	1407	1411	1413	rBV2	51135	68315	2.37%	0.188%
26	10.404	1413	1414	1417	rVB2	61933	46281	1.61%	0.127%
27	10.528	1429	1435	1438	rBV2	181601	186151	6.47%	0.512%
28	10.598	1441	1447	1449	rVV2	140057	213892	7.43%	0.589%
29	10.616	1449	1450	1452	rVV	92441	60963	2.12%	0.168%
30	10.639	1452	1454	1457	rVV	72429	73534	2.55%	0.202%
31	10.686	1457	1462	1466	rVB5	84528	159496	5.54%	0.439%
32	10.769	1466	1476	1480	rBV4	208403	304707	10.59%	0.839%
33	10.804	1480	1482	1488	rVB4	81693	103865	3.61%	0.286%
34	10.892	1488	1497	1501	rBV4	125502	213766	7.43%	0.588%

LSC Area Percent Report

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Operator : JU
Sample : K5722-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-B

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-BF110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.975	1508	1511	1513	rBV4	56687	70565	2.45%	0.194%
36	11.075	1520	1528	1531	rBV3	155394	283268	9.84%	0.780%
37	11.104	1531	1533	1537	rVV2	204664	244339	8.49%	0.673%
38	11.163	1540	1543	1545	rVB2	99959	92989	3.23%	0.256%
39	11.227	1545	1554	1559	rBV8	84151	225382	7.83%	0.620%
40	11.275	1559	1562	1565	rVV	113453	103855	3.61%	0.286%
41	11.333	1565	1572	1575	rVV6	82128	160605	5.58%	0.442%
42	11.369	1575	1578	1585	rVB	103858	123241	4.28%	0.339%
43	11.475	1592	1596	1598	rBV	2697718	2562225	89.01%	7.053%
44	11.498	1598	1600	1603	rVV	1514296	1190754	41.37%	3.278%
45	11.527	1603	1605	1606	rVV	83281	71320	2.48%	0.196%
46	11.545	1606	1608	1611	rVV	288166	231802	8.05%	0.638%
47	11.580	1611	1614	1617	rVV	156017	191741	6.66%	0.528%
48	11.610	1617	1619	1620	rVV	80297	67646	2.35%	0.186%
49	11.645	1624	1625	1628	rVV	66847	50407	1.75%	0.139%
50	11.698	1631	1634	1641	rVV2	107853	165222	5.74%	0.455%
51	11.769	1644	1646	1648	rVV2	52384	42129	1.46%	0.116%
52	11.804	1650	1652	1655	rVB2	57234	43981	1.53%	0.121%
53	11.975	1678	1681	1683	rVV	382935	309608	10.76%	0.852%
54	12.004	1683	1686	1689	rVV	431161	363615	12.63%	1.001%
55	12.051	1691	1694	1697	rVV2	78506	91070	3.16%	0.251%
56	12.086	1697	1700	1702	rVV2	248499	269223	9.35%	0.741%
57	12.110	1702	1704	1709	rVB	192532	158660	5.51%	0.437%
58	12.175	1709	1715	1718	rBV3	62527	96581	3.36%	0.266%
59	12.269	1729	1731	1733	rBV	146695	116931	4.06%	0.322%
60	12.292	1733	1735	1740	rVV	101355	90016	3.13%	0.248%
61	12.351	1742	1745	1748	rBV2	41052	54076	1.88%	0.149%
62	12.422	1754	1757	1760	rBV	95590	81501	2.83%	0.224%
63	12.451	1760	1762	1764	rVV	85806	66765	2.32%	0.184%
64	12.474	1764	1766	1768	rVB2	69844	56820	1.97%	0.156%
65	12.527	1772	1775	1778	rBV	120423	118318	4.11%	0.326%
66	12.563	1778	1781	1783	rVV2	79148	84065	2.92%	0.231%
67	12.610	1786	1789	1795	rVB2	104662	113367	3.94%	0.312%
68	12.686	1799	1802	1806	rVB	1063417	901330	31.31%	2.481%
69	12.810	1820	1823	1827	rBV3	55938	73067	2.54%	0.201%
70	12.916	1835	1841	1847	rBV	975200	1149964	39.95%	3.165%
71	12.969	1847	1850	1855	rVB2	57003	81977	2.85%	0.226%

LSC Area Percent Report

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Acq On : 8 Nov 2019 1:22
Operator : JU
Sample : K5722-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-B

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-BF110619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.057	1862	1865	1873	rVB	1294147	1126860	39.15%	3.102%
73	13.133	1874	1878	1882	rVV3	75095	114973	3.99%	0.316%
74	13.192	1886	1888	1891	rVV3	41772	47523	1.65%	0.131%
75	13.221	1891	1893	1895	rVV2	65187	80860	2.81%	0.223%
76	13.245	1895	1897	1900	rVB	97074	81056	2.82%	0.223%
77	13.351	1911	1915	1918	rBV2	98806	104235	3.62%	0.287%
78	13.445	1929	1931	1933	rVB	56747	45197	1.57%	0.124%
79	13.474	1933	1936	1940	rBV	66029	56941	1.98%	0.157%
80	13.751	1980	1983	1988	rVB	94484	92700	3.22%	0.255%
81	13.868	1998	2003	2006	rBV2	52319	101521	3.53%	0.279%
82	13.898	2006	2008	2010	rBV	57353	44340	1.54%	0.122%
83	13.927	2010	2013	2015	rBV3	69559	85157	2.96%	0.234%
84	13.957	2015	2018	2021	rBV3	153910	158323	5.50%	0.436%
85	14.121	2039	2046	2048	rBV3	2218189	2878587	100.00%	7.924%
86	14.145	2048	2050	2055	rVB	380366	343638	11.94%	0.946%
87	14.227	2061	2064	2066	rBV	49556	49021	1.70%	0.135%
88	14.539	2115	2117	2120	rVB3	64113	59283	2.06%	0.163%
89	14.592	2124	2126	2130	rVB2	63000	64361	2.24%	0.177%
90	14.910	2178	2180	2184	rVB	52160	53094	1.84%	0.146%
91	14.992	2191	2194	2198	rBV	117703	146920	5.10%	0.404%
92	15.180	2222	2226	2229	rBV	261721	403751	14.03%	1.111%
93	15.268	2238	2241	2243	rBV3	53864	60695	2.11%	0.167%
94	15.498	2276	2280	2287	rVB	250941	363844	12.64%	1.002%
95	15.557	2287	2290	2296	rVB	244569	300776	10.45%	0.828%
96	15.633	2297	2303	2306	rBV	1859463	2414277	83.87%	6.646%
97	15.668	2306	2309	2323	rVB5	135933	343178	11.92%	0.945%
98	16.133	2384	2388	2393	rBV2	58067	98005	3.40%	0.270%
99	17.151	2556	2561	2569	rVB3	92624	182378	6.34%	0.502%
100	17.615	2635	2640	2648	rVB2	78841	158839	5.52%	0.437%

Sum of corrected areas: 36329118

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117727.D
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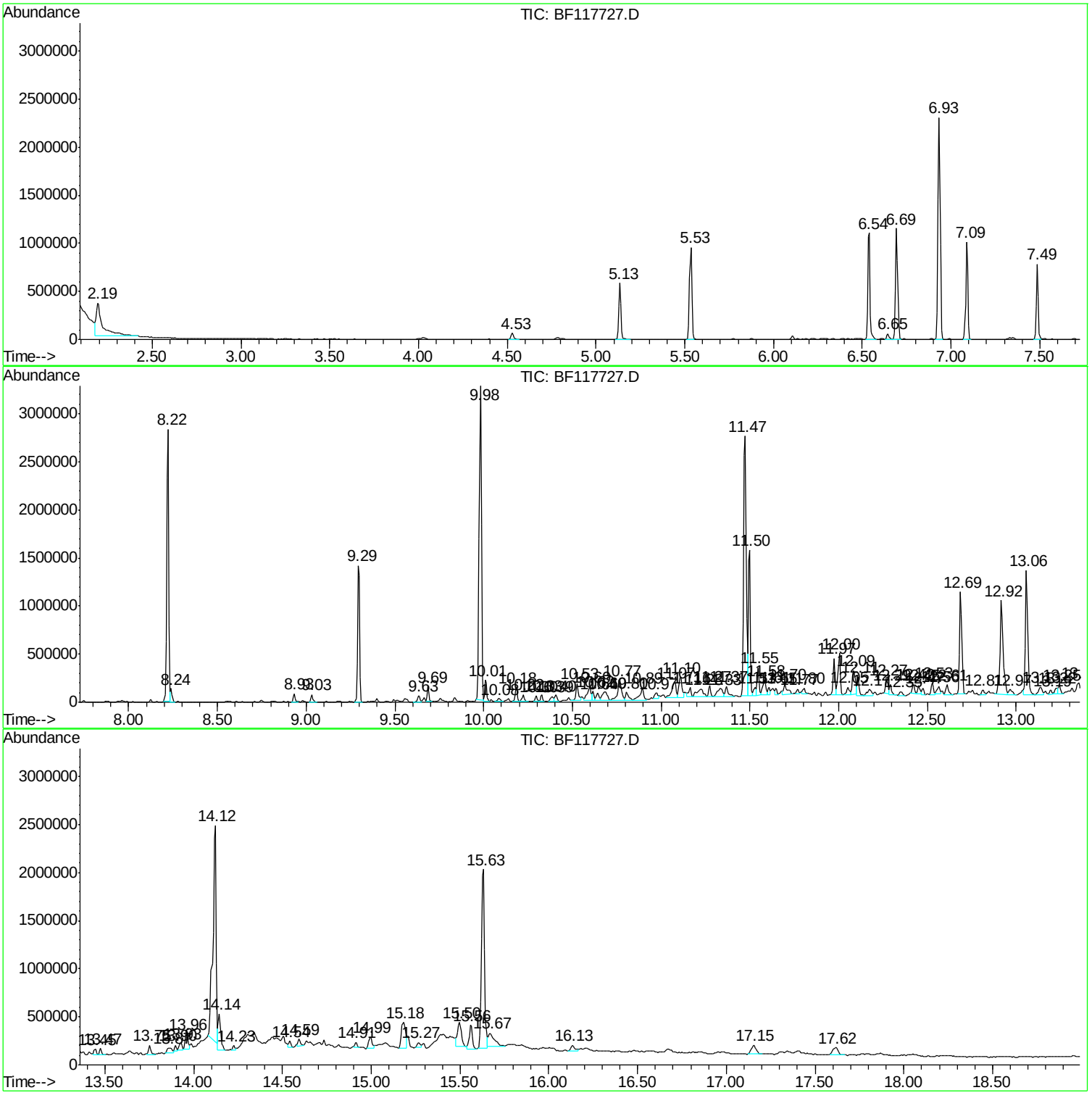
Sample : K5722-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.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\BF110719\
Data File : BF117727.D
Acq On : 8 Nov 2019 1:22
Operator : JU
Sample : K5722-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

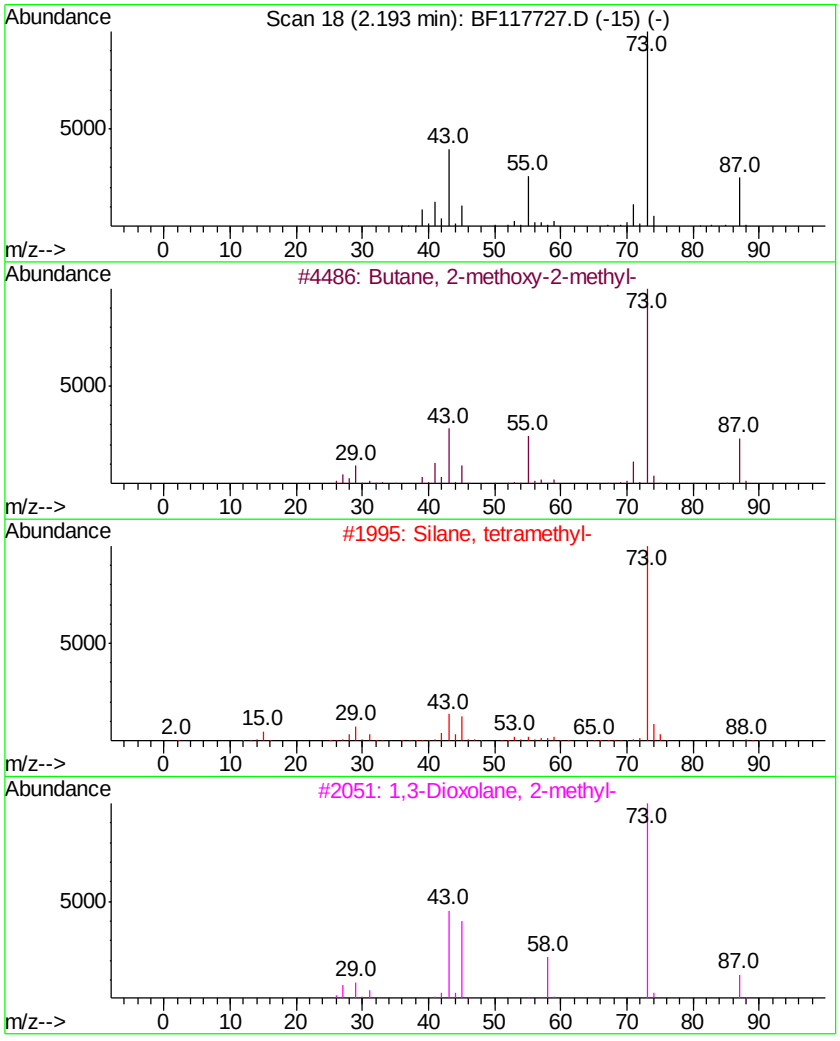
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

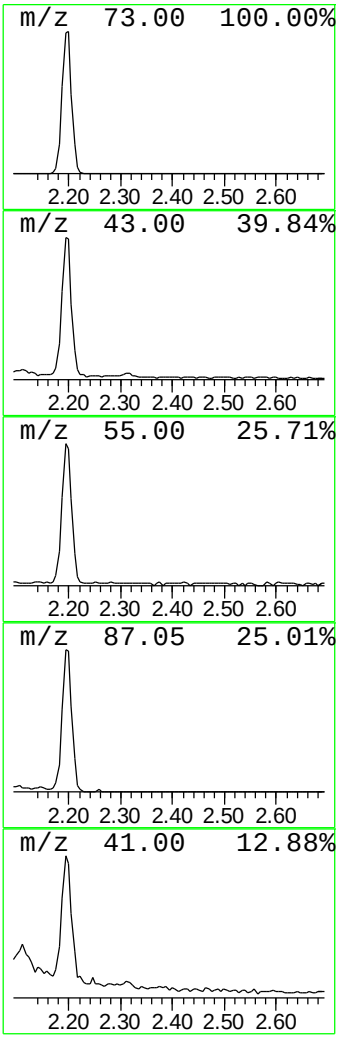
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.19	10.39 ng	939086	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117727.D
Acq On : 8 Nov 2019 1:22
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Sample : K5722-06 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 5-B

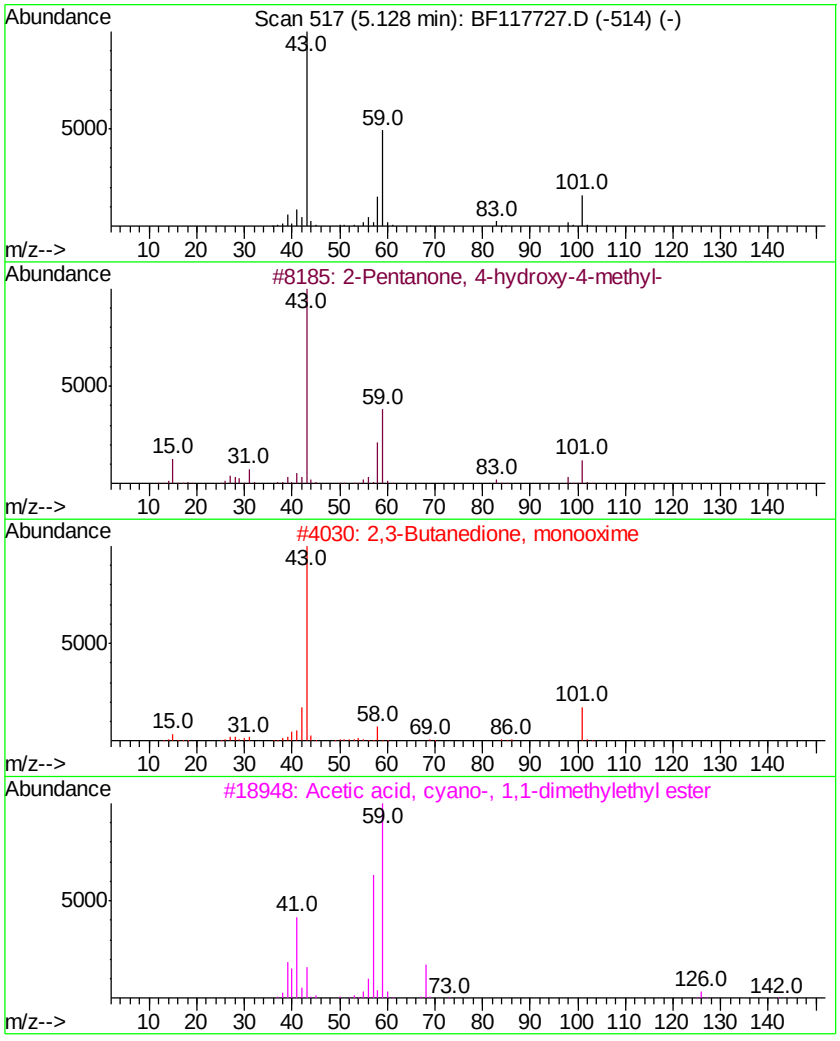
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

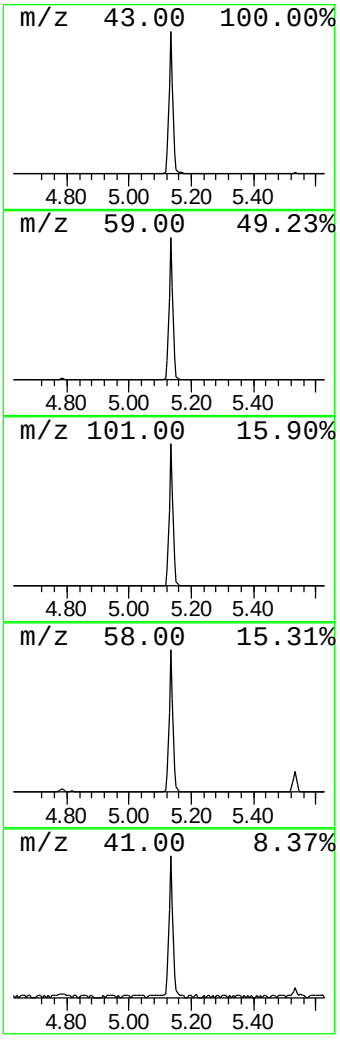
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	5.90 ng	533028	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Allyl acetate	100	C5H8O2	000591-87-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

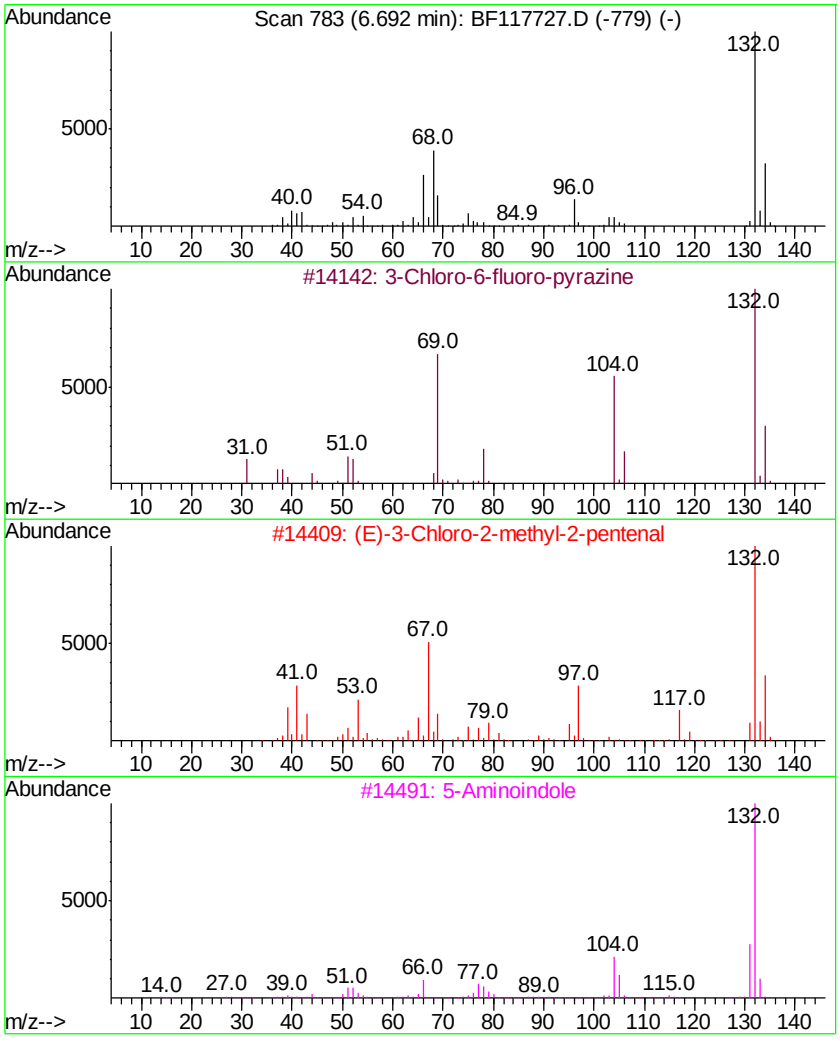
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

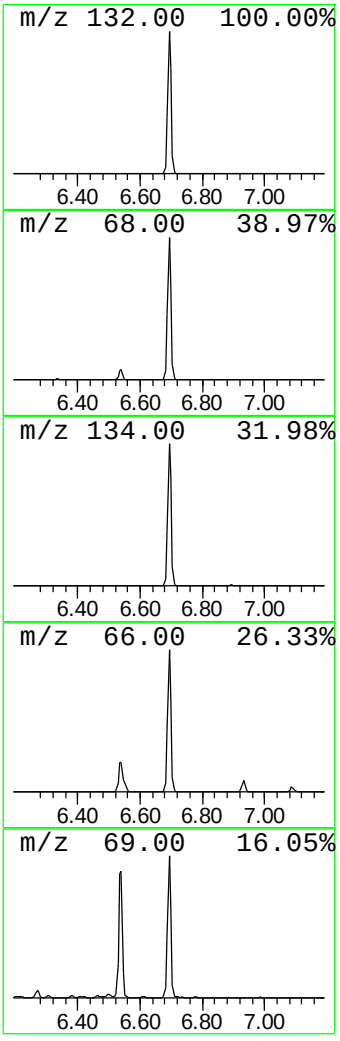
****

Peak Number 3 unknown6.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	10.51 ng	950074	1,4-Dichlorobenzene-d4	6.93

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	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Amphetaminil	250	C17H18N2	017590-01-1	10
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





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Instrument : BNA_F
ClientSampleId : 5-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

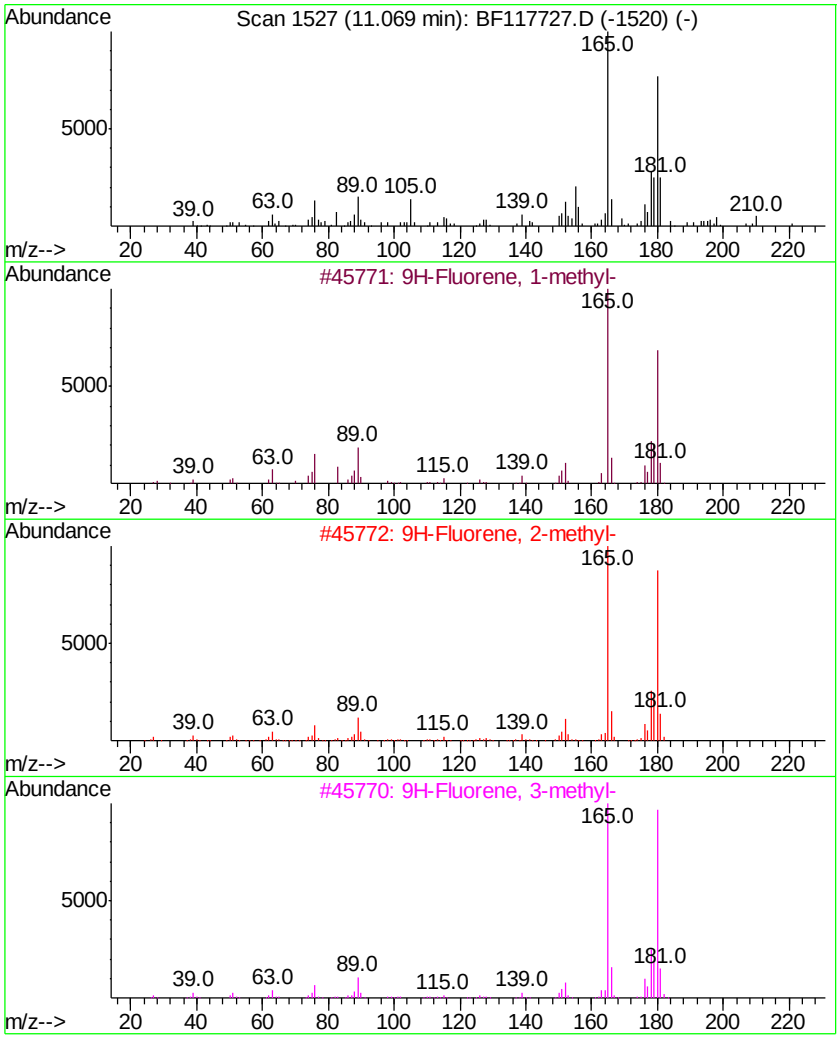
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

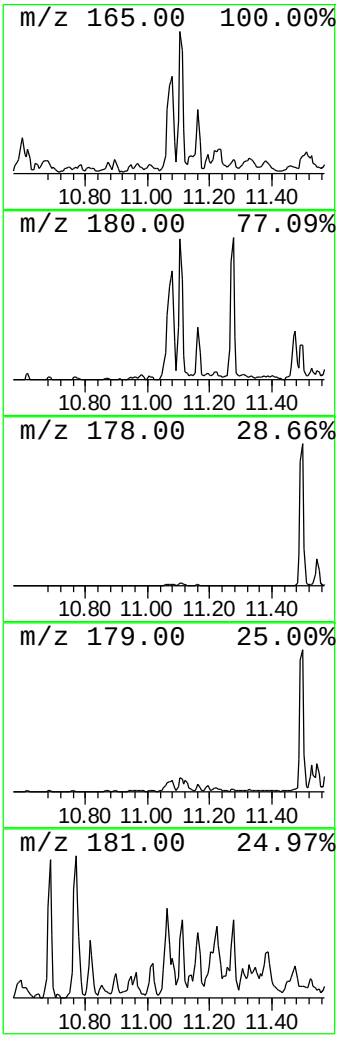
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	2.21 ng	283268	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	98
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117727.D
Acq On : 8 Nov 2019 1:22
Operator : JU
Sample : K5722-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

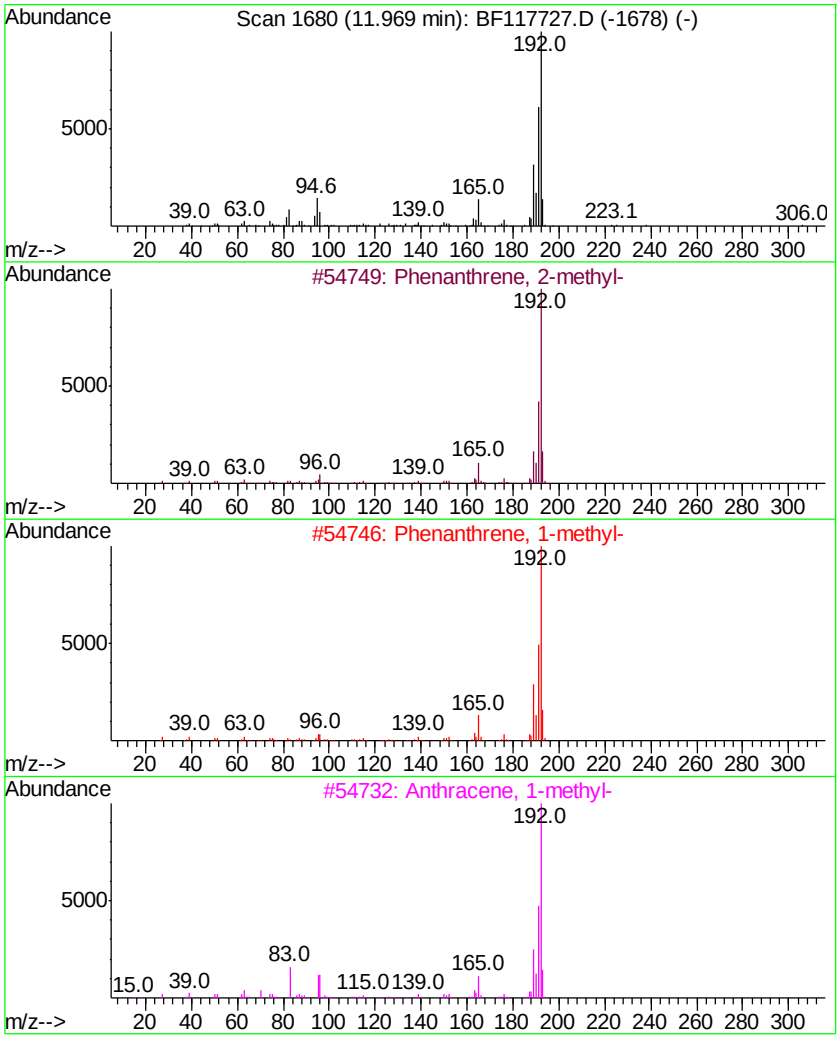
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

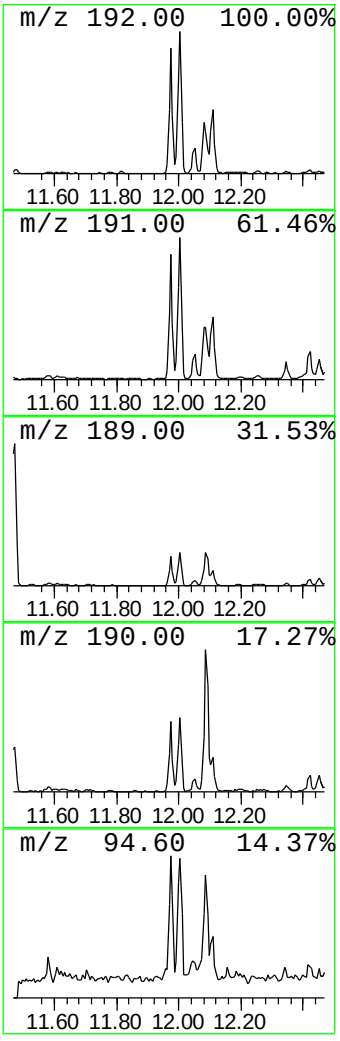
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.42 ng	309608	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117727.D
Acq On : 8 Nov 2019 1:22
Operator : JU
Sample : K5722-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.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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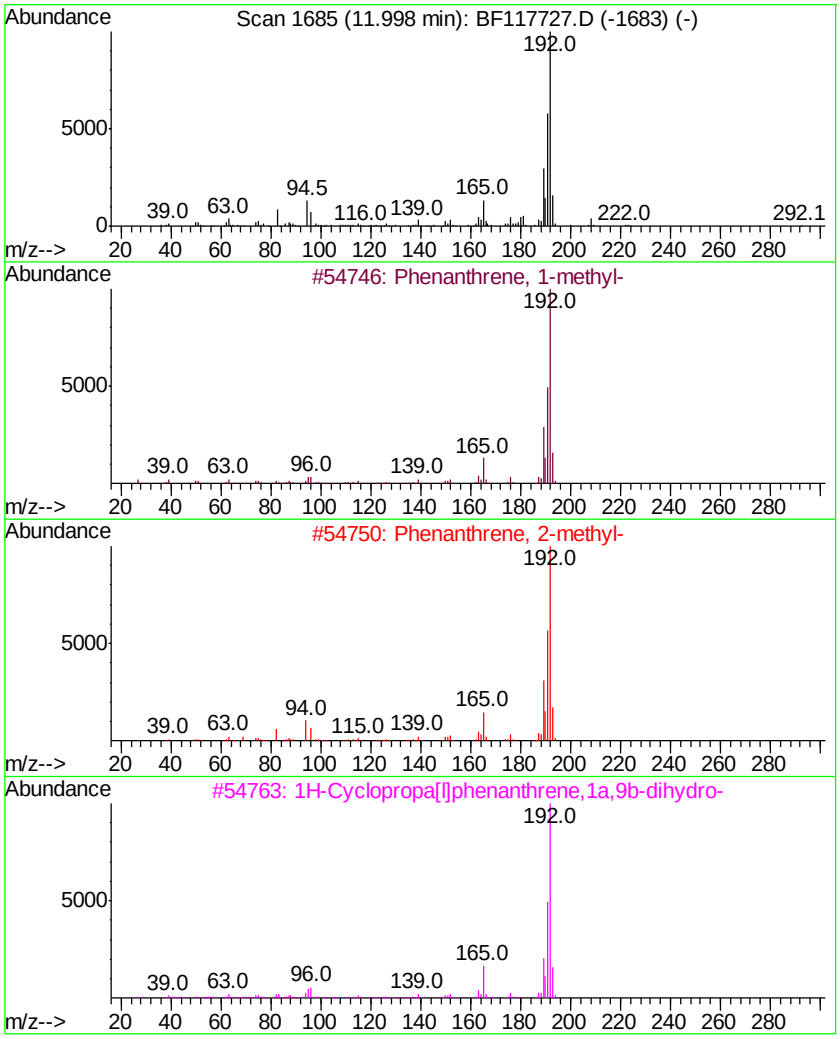
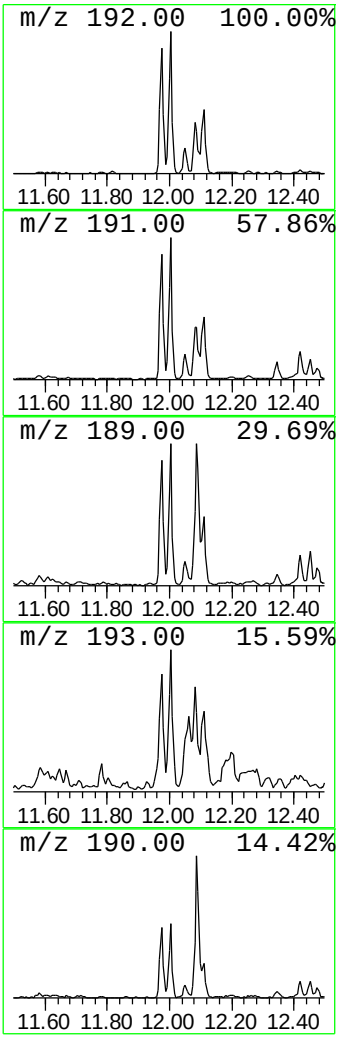
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.84 ng	363615	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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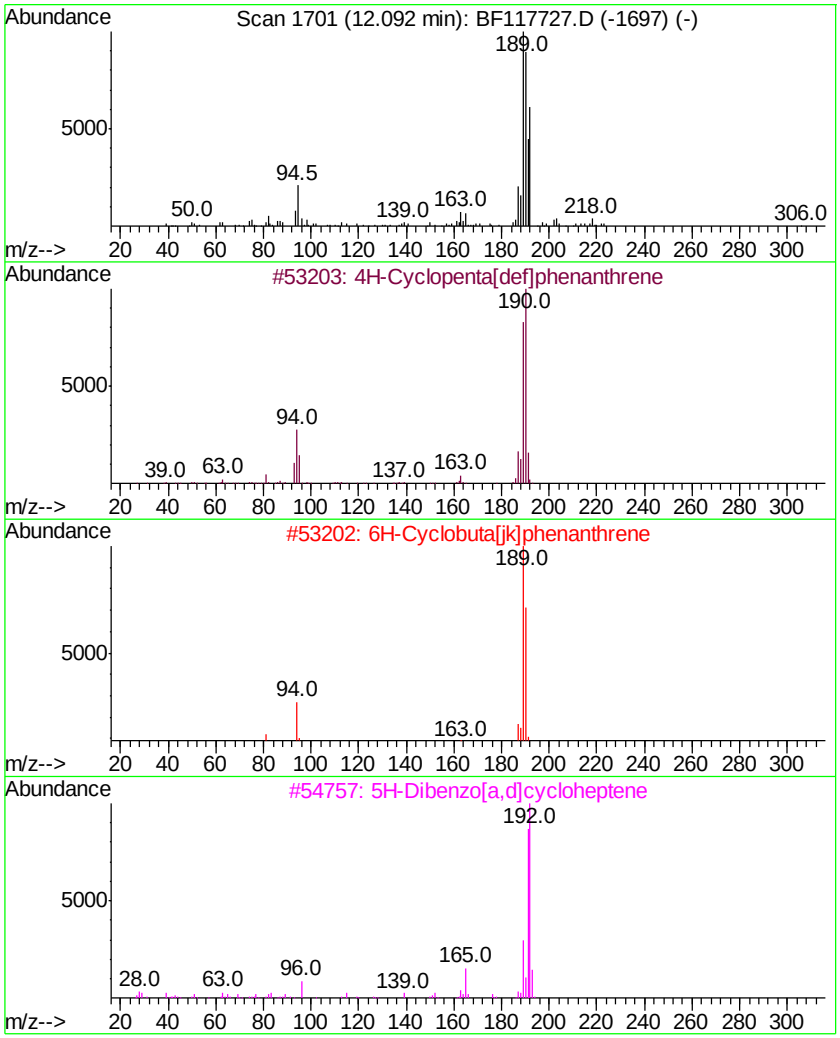
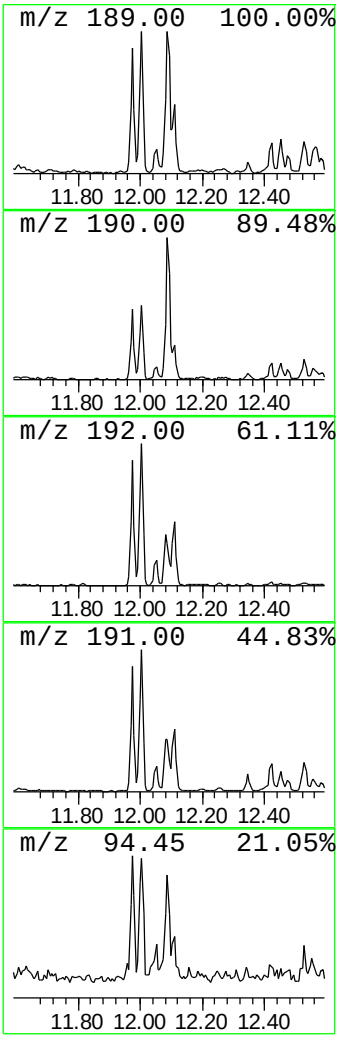
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	2.10 ng	269223	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	41
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38





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Data File : BF117727.D
Acq On : 8 Nov 2019 1:22
Operator : JU
Sample : K5722-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 5-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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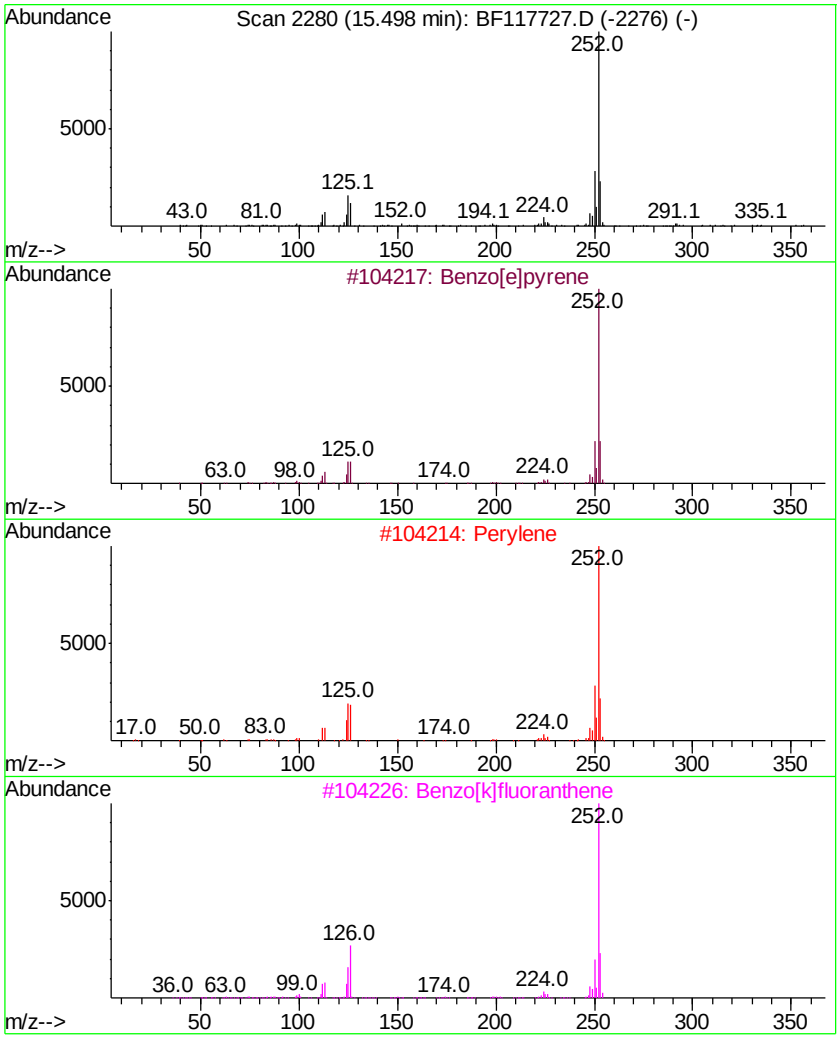
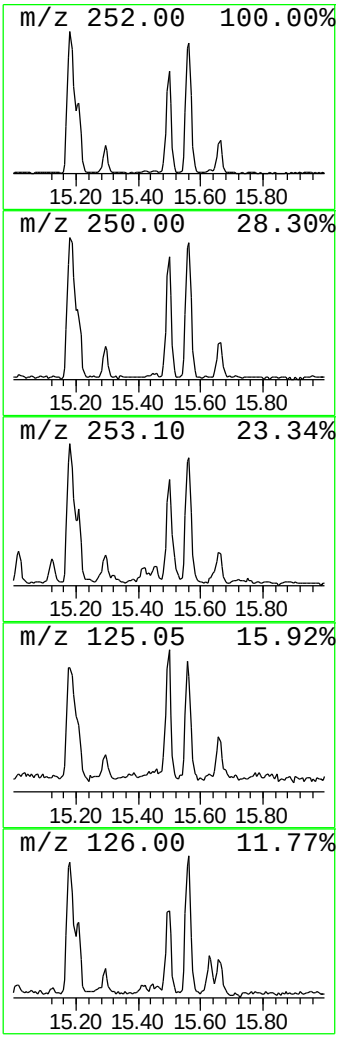
Peak Number 9 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	3.01 ng	363844	Perylene-d12	15.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110719\
Data File : BF117727.D
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Misc :
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Instrument : BNA_F
ClientSampleId : 5-B

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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...	2.19	10.4	ng	939086	1	6.93	1807520	20.0
2-Pentanone, 4-hy...	5.13	5.9	ng	533028	1	6.93	1807520	20.0
unknown6.69	6.69	10.5	ng	950074	1	6.93	1807520	20.0
9H-Fluorene, 1-me...	11.07	2.2	ng	283268	4	11.47	2562230	20.0
Phenanthrene, 2-m...	11.97	2.4	ng	309608	4	11.47	2562230	20.0
Phenanthrene, 1-m...	12.00	2.8	ng	363615	4	11.47	2562230	20.0
4H-Cyclopenta[def...	12.09	2.1	ng	269223	4	11.47	2562230	20.0
Benzo[e]pyrene	15.50	3.0	ng	363844	6	15.63	2414280	20.0