LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
Data File : BF119144.D
Acq On : 28 Feb 2020 21:51
Operator : CG/JU
Sample : L1718-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-232

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-BF022020.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	3.140	177	179	195	rBV	78423	169547	5.35%	0.485%
2	5.357	552	556	573	rBV	2326248	2395932	75.59%	6.851%
3	6.381	725	730	747	rBV	2297566	2401640	75.77%	6.867%
4	6.733	786	790	799	rBV	837301	734170	23.16%	2.099%
5	6.886	812	816	820	rBV	2344155	2104705	66.40%	6.018%
6	7.298	881	886	899	rBV	1646061	1588049	50.10%	4.541%
7	8.016	1004	1008	1011	rBV	1115635	981635	30.97%	2.807%
8	9.086	1186	1190	1194	rBV	3259399	3127326	98.66%	8.943%
9	9.480	1254	1257	1265	rVB	419558	350952	11.07%	1.004%
10	9.763	1302	1305	1309	rBV	1356681	1209183	38.15%	3.458%
11	9.798	1309	1311	1317	rVB	125935	102512	3.23%	0.293%
12	9.969	1337	1340	1345	rBV	66506	65205	2.06%	0.186%
13	10.310	1395	1398	1404	rBV	147737	132183	4.17%	0.378%
14	10.557	1435	1440	1446	rBV	2223923	2208806	69.69%	6.316%
15	10.863	1485	1492	1494	rBV3	32567	44457	1.40%	0.127%
16	11.057	1522	1525	1529	rVB	45883	44554	1.41%	0.127%
17	11.104	1529	1533	1536	rVV3	32740	42200	1.33%	0.121%
18	11.145	1537	1540	1546	rVB	67138	63774	2.01%	0.182%
19	11.245	1554	1557	1559	rBV	1354804	1240749	39.14%	3.548%
20	11.268	1559	1561	1565	rVV	1258193	1141676	36.02%	3.265%
21	11.321	1565	1570	1574	rVV	292031	286267	9.03%	0.819%
22	11.363	1574	1577	1582	rVB2	34355	36563	1.15%	0.105%
23	11.480	1592	1597	1605	rBV2	209861	245874	7.76%	0.703%
24	11.751	1638	1643	1645	rBV	132348	129830	4.10%	0.371%
25	11.780	1645	1648	1653	rVV	351672	357900	11.29%	1.023%
26	11.827	1653	1656	1658	rVV	74058	78114	2.46%	0.223%
27	11.863	1658	1662	1664	rVV	218836	246321	7.77%	0.704%
28	11.880	1664	1665	1671	rVB	91505	76312	2.41%	0.218%
29	12.039	1688	1692	1695	rVV	79369	99733	3.15%	0.285%
30	12.074	1695	1698	1703	rVB	65876	60618	1.91%	0.173%
31	12.192	1713	1718	1721	rBV	31205	32608	1.03%	0.093%
32	12.298	1732	1736	1739	rBV	62570	64878	2.05%	0.186%
33	12.339	1739	1743	1745	rVV	47196	57576	1.82%	0.165%
34	12.386	1748	1751	1756	rVB3	56011	65153	2.06%	0.186%

LSC Area Percent Report

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Operator : CG/JU
Sample : L1718-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-232

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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.457	1760	1763	1767	rBV	1374094	1225008	38.65%	3.503%
36	12.563	1777	1781	1783	rBV2	40365	45817	1.45%	0.131%
37	12.604	1784	1788	1792	rVV3	53608	83996	2.65%	0.240%
38	12.686	1796	1802	1808	rVV	1081341	1135652	35.83%	3.247%
39	12.739	1808	1811	1817	rVB2	57090	68223	2.15%	0.195%
40	12.827	1818	1826	1830	rBV	3359618	3169660	100.00%	9.064%
41	12.910	1834	1840	1843	rBV2	69597	118076	3.73%	0.338%
42	12.992	1851	1854	1856	rBV3	72259	88733	2.80%	0.254%
43	13.015	1856	1858	1861	rVB	187315	155406	4.90%	0.444%
44	13.080	1866	1869	1872	rVV	128040	109742	3.46%	0.314%
45	13.115	1872	1875	1883	rVB3	95166	152407	4.81%	0.436%
46	13.210	1888	1891	1894	rBV	47690	47126	1.49%	0.135%
47	13.245	1894	1897	1900	rBV3	48061	57714	1.82%	0.165%
48	13.404	1919	1924	1927	rBV4	32753	60114	1.90%	0.172%
49	13.439	1927	1930	1932	rVB	39943	38966	1.23%	0.111%
50	13.527	1942	1945	1949	rVB	78329	73967	2.33%	0.212%
51	13.633	1959	1963	1965	rBV	107988	106050	3.35%	0.303%
52	13.657	1965	1967	1970	rVV	86794	83179	2.62%	0.238%
53	13.686	1970	1972	1973	rVV	59431	54673	1.72%	0.156%
54	13.733	1976	1980	1987	rVB2	280729	436838	13.78%	1.249%
55	13.880	1997	2005	2008	rBV2	1181503	1648379	52.00%	4.714%
56	13.909	2008	2010	2018	rVV	469413	427618	13.49%	1.223%
57	13.986	2018	2023	2026	rVV2	73896	88445	2.79%	0.253%
58	14.045	2030	2033	2037	rVV4	45705	77138	2.43%	0.221%
59	14.109	2041	2044	2048	rVB2	58192	69465	2.19%	0.199%
60	14.233	2062	2065	2067	rBV	41913	40175	1.27%	0.115%
61	14.268	2067	2071	2074	rBV	86927	91590	2.89%	0.262%
62	14.304	2074	2077	2081	rVB2	40689	35072	1.11%	0.100%
63	14.351	2081	2085	2086	rBV2	56200	57863	1.83%	0.165%
64	14.415	2094	2096	2099	rVB	43579	38258	1.21%	0.109%
65	14.586	2122	2125	2128	rBV3	43632	58795	1.85%	0.168%
66	14.645	2132	2135	2138	rBV2	39707	42323	1.34%	0.121%
67	14.715	2144	2147	2151	rBV	63465	59766	1.89%	0.171%
68	14.751	2151	2153	2156	rBV	36560	36832	1.16%	0.105%
69	14.904	2174	2179	2186	rBV	382147	711695	22.45%	2.035%
70	15.004	2193	2196	2200	rBV	60920	65094	2.05%	0.186%
71	15.186	2224	2227	2233	rVB	214878	258369	8.15%	0.739%

LSC Area Percent Report

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Sample : L1718-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-232

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.245	2233	2237	2242	rBV	288325	351960	11.10%	1.006%
73	15.304	2243	2247	2251	rBV	767573	982010	30.98%	2.808%
74	15.721	2315	2318	2322	rVB5	34829	45277	1.43%	0.129%
75	16.703	2479	2485	2494	rBV	131256	260452	8.22%	0.745%
76	16.868	2508	2513	2517	rBV2	20805	34426	1.09%	0.098%
77	17.121	2550	2556	2566	rBV	84885	191861	6.05%	0.549%

Sum of corrected areas: 34971212

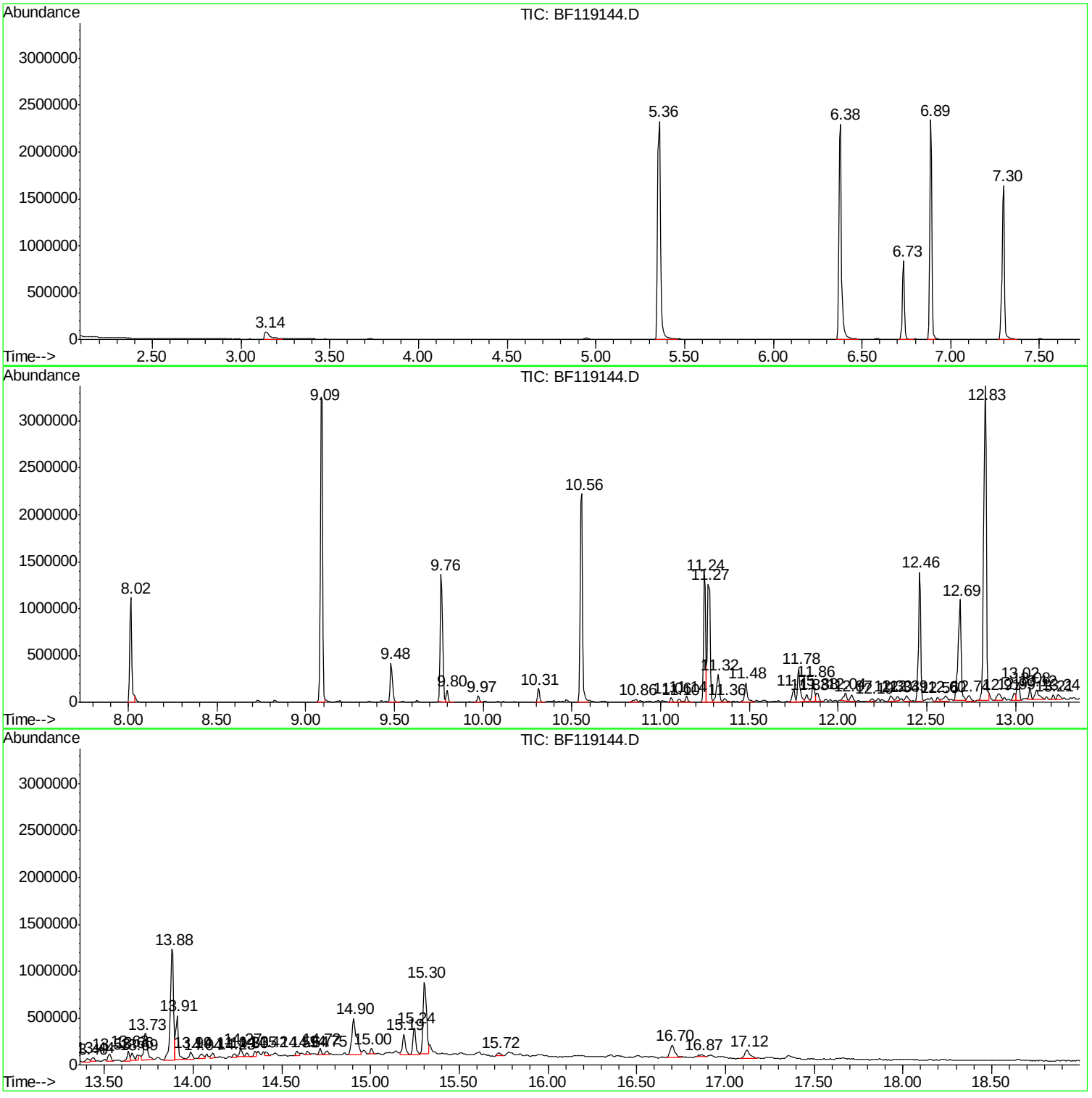
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
Data File : BF119144.D
Acq On : 28 Feb 2020 21:51
Operator : CG/JU
Sample : L1718-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-232

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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\BF022820\
Data File : BF119144.D
Acq On : 28 Feb 2020 21:51
Operator : CG/JU
Sample : L1718-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-232

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

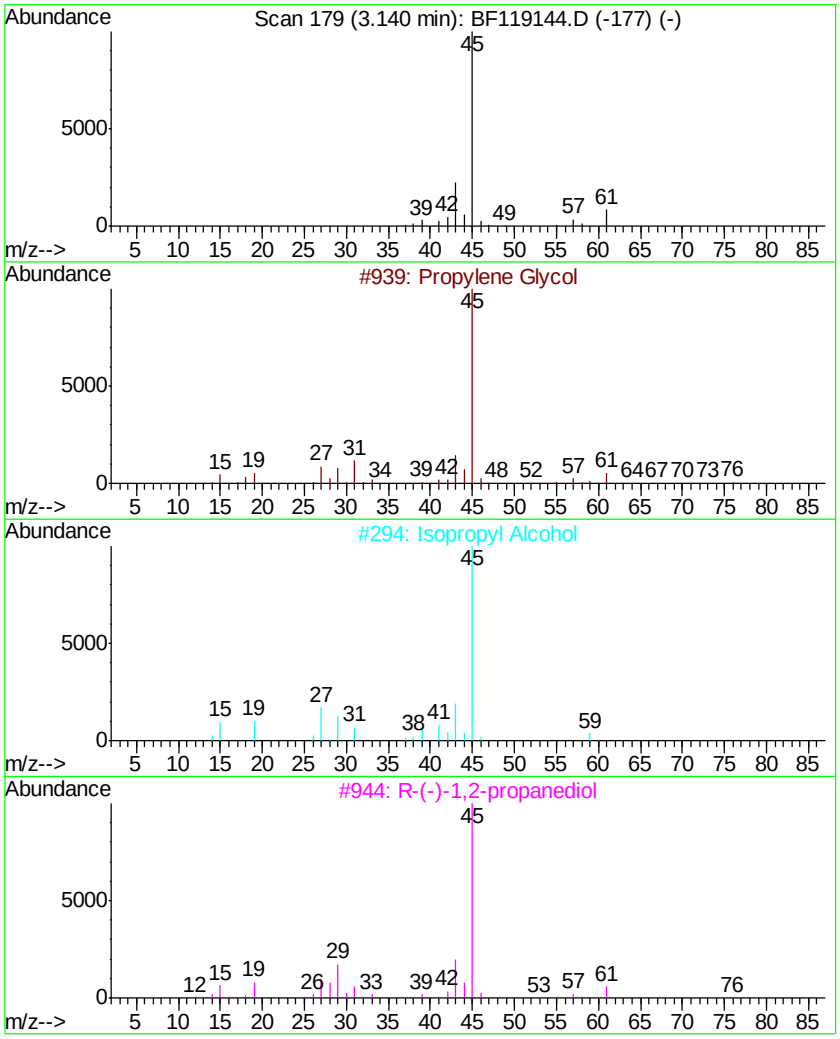
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

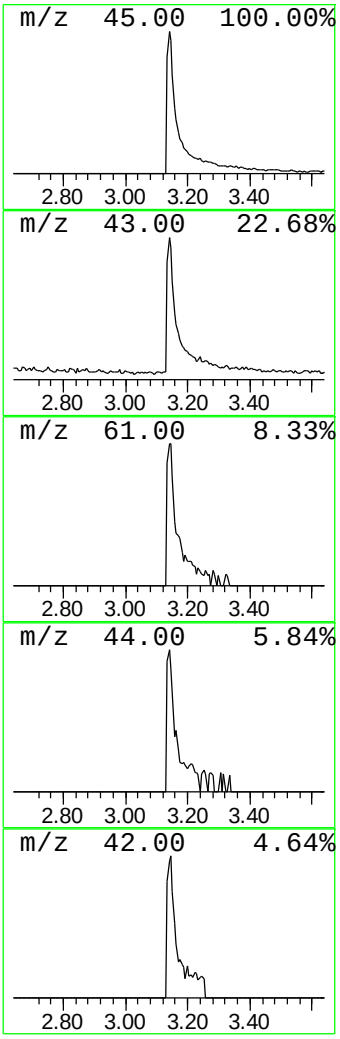
****

Peak Number 1 unknown3.14 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	4.62 ng	169547	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propylene Glycol	76	C3H8O2	000057-55-6	9
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
3	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	9
4	Formamide	45	CH3NO	000075-12-7	5
5	Muramic acid	251	C9H17NO7	001114-41-6	4





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
Data File : BF119144.D
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Operator : CG/JU
Sample : L1718-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-232

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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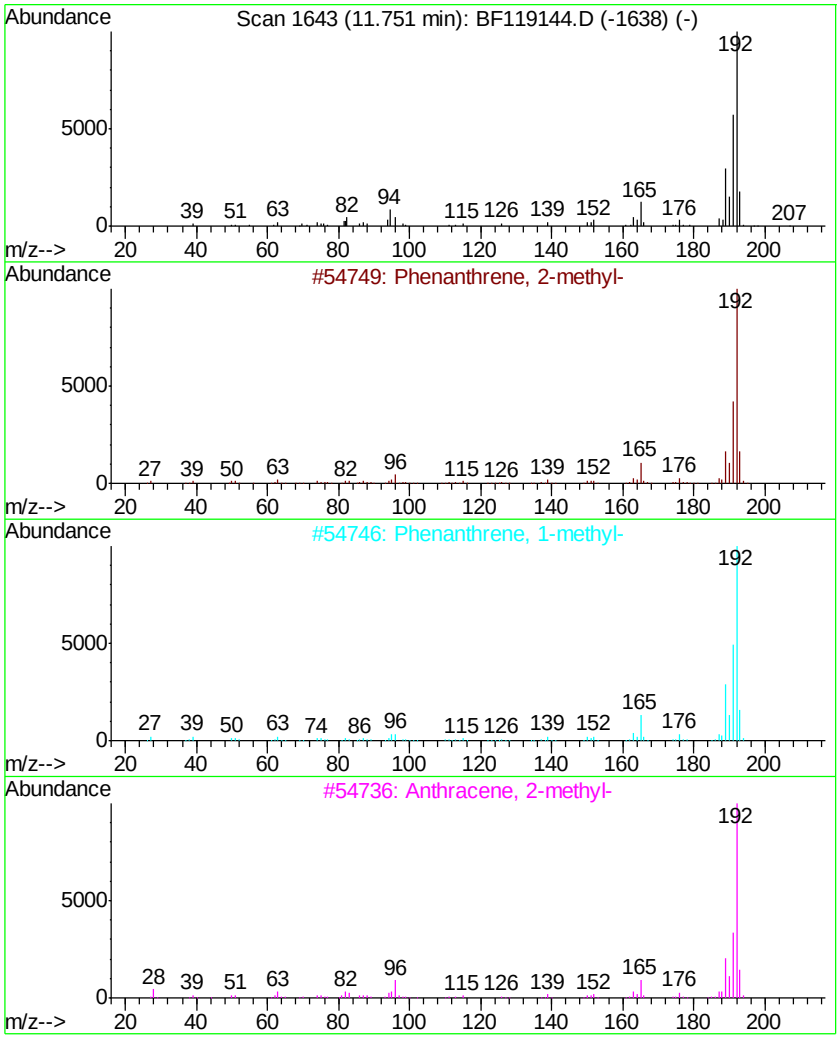
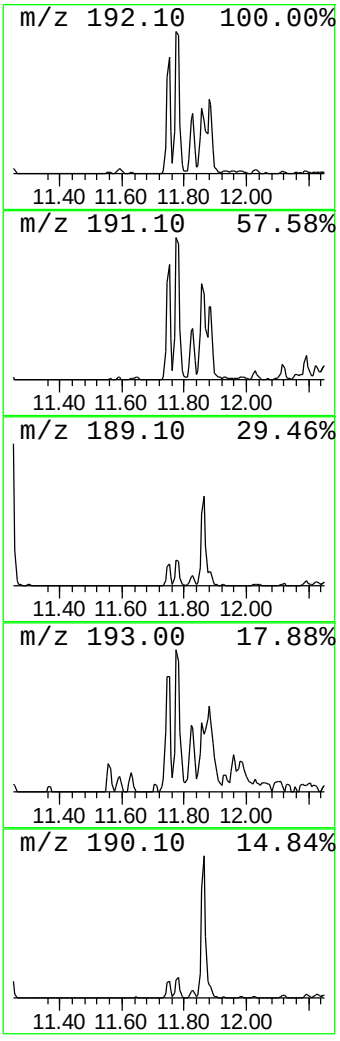
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	2.09 ng	129830	Phenanthrene-d10	11.24

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, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
Data File : BF119144.D
Acq On : 28 Feb 2020 21:51
Operator : CG/JU
Sample : L1718-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-232

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

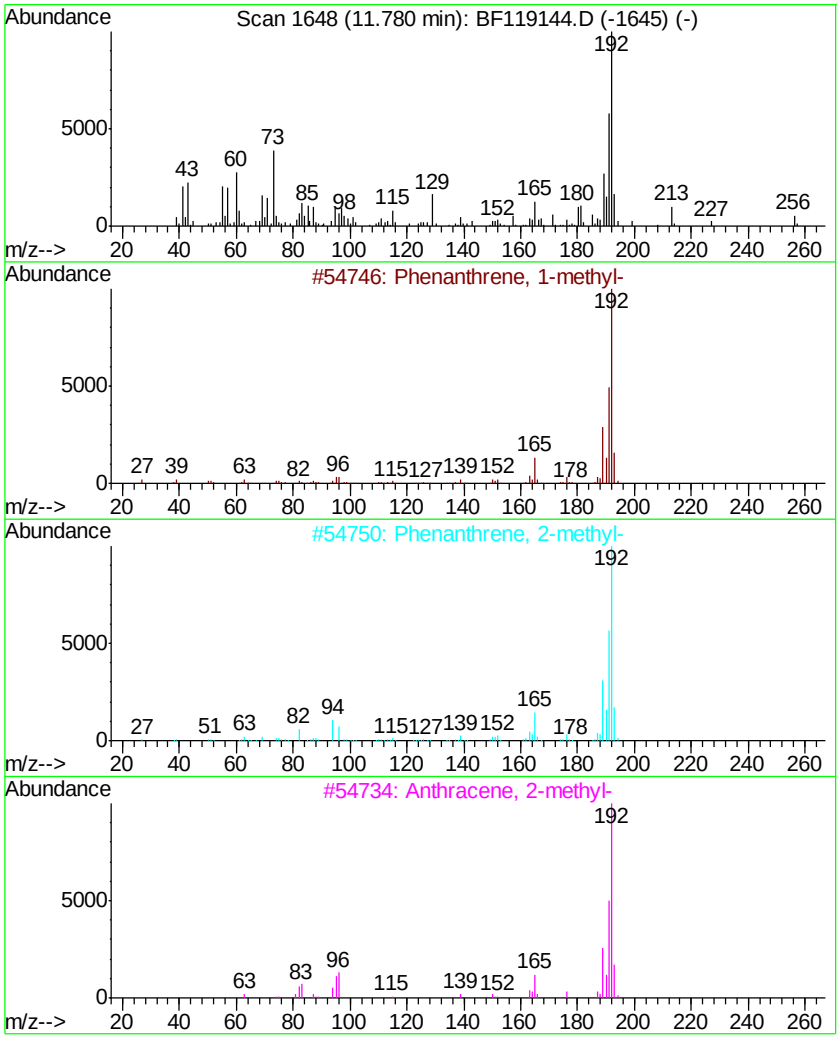
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

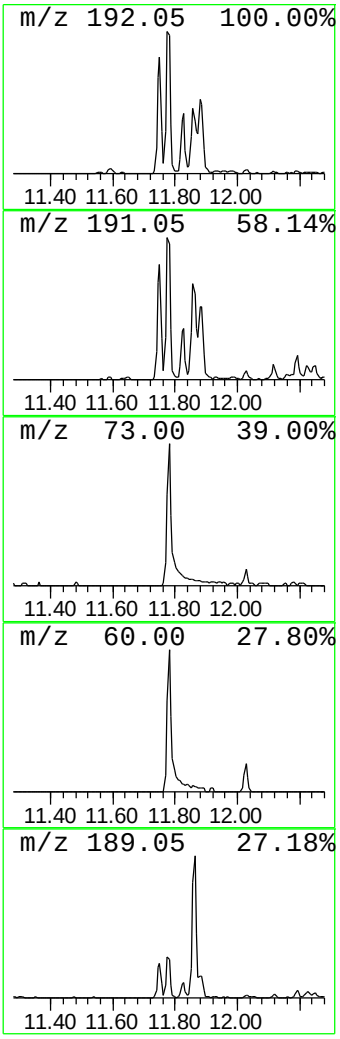
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	5.77 ng	357900	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90





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Instrument : BNA_F
ClientSampleId : VNJ-232

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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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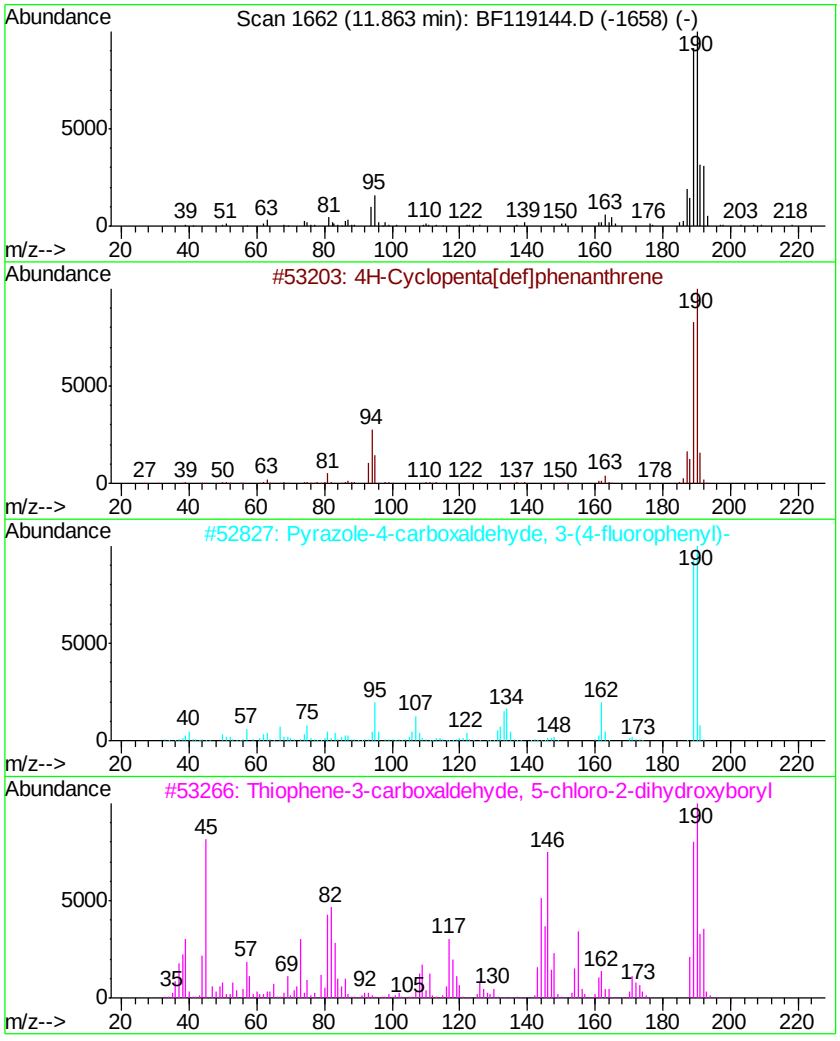
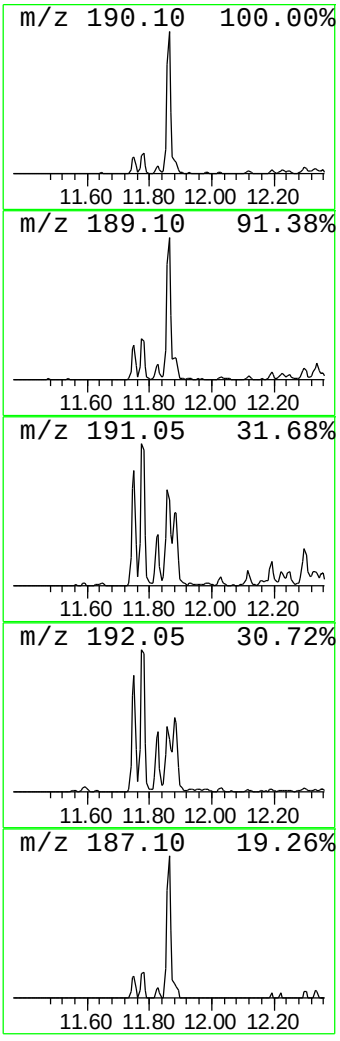
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	3.97 ng	246321	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : VNJ-232

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

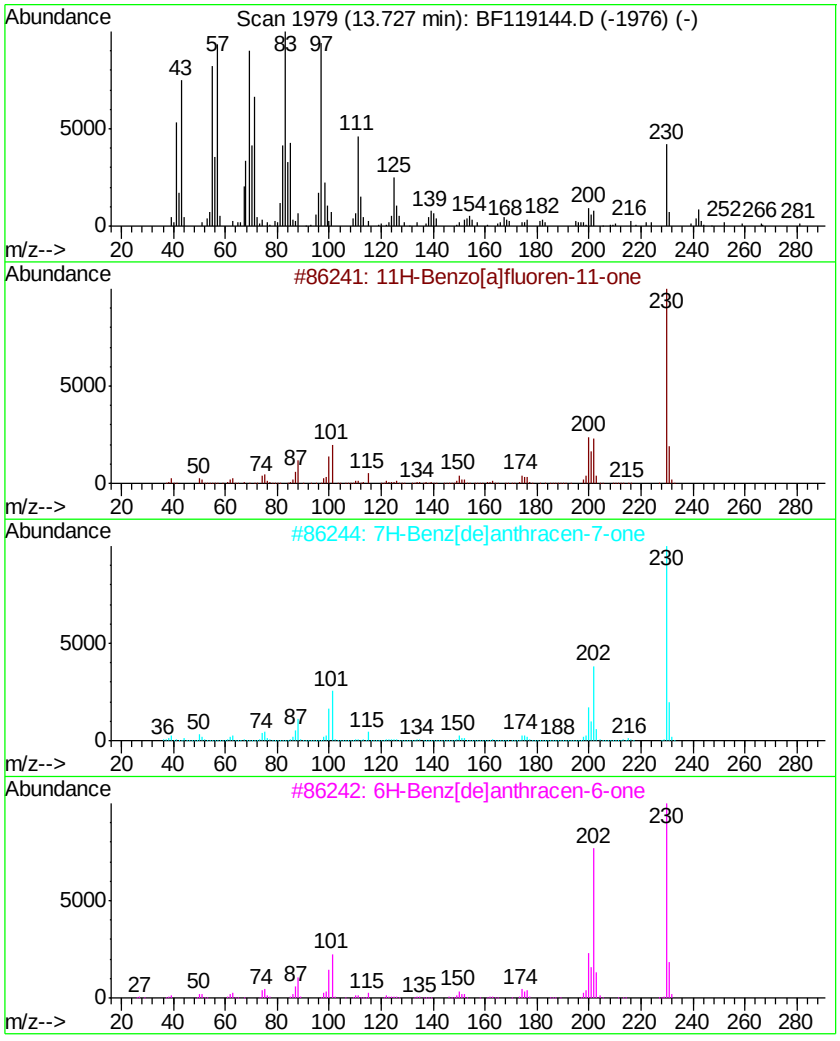
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

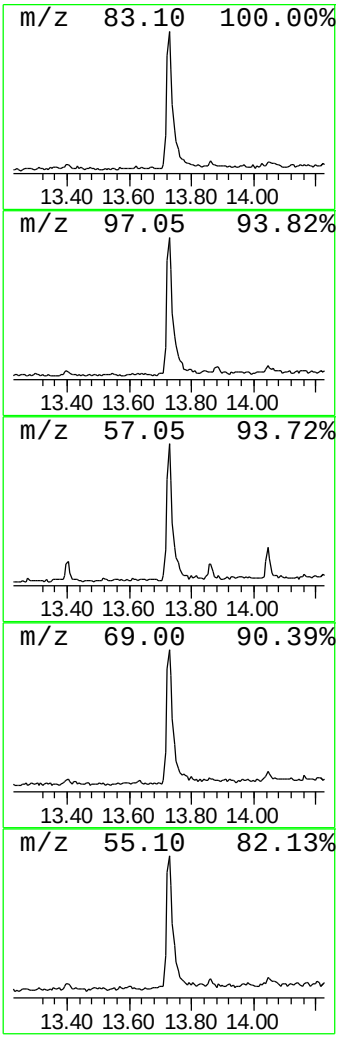
****

Peak Number 6 11H-Benzo[a]fluoren-11-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	5.30 ng	436838	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	50
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	46
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	46
4	1,1'-Biphenyl, 5-hydroxy-3,4'-di...	230	C14H14O3	119101-26-7	25
5	p-Terphenyl	230	C18H14	000092-94-4	25





Library Search Compound Report

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Operator : CG/JU
Sample : L1718-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-232

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

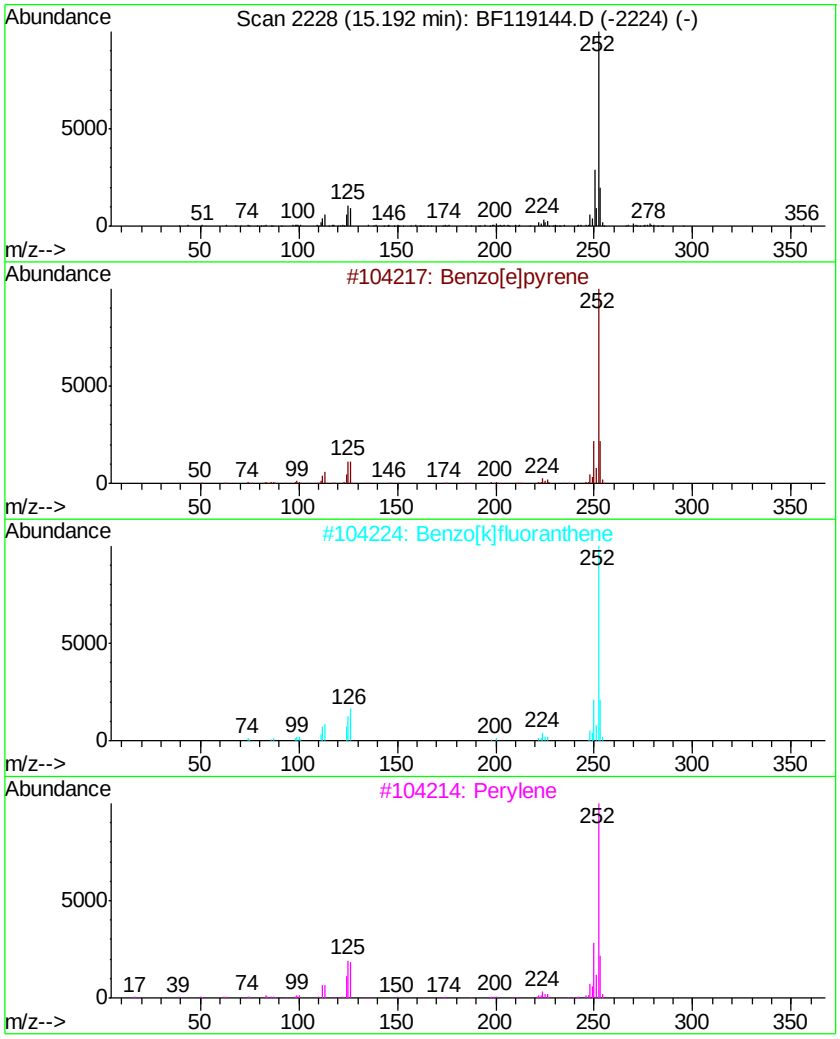
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

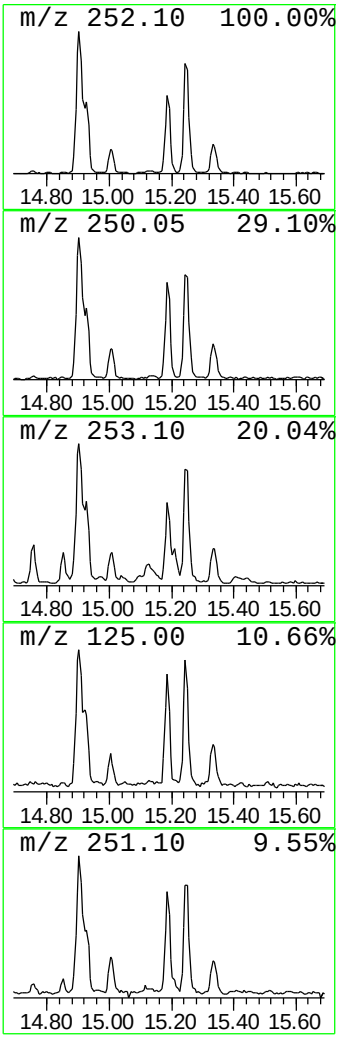
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.26 ng	258369	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022820\
Data File : BF119144.D
Acq On : 28 Feb 2020 21:51
Operator : CG/JU
Sample : L1718-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-232

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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
unknown3.14	3.14	4.6	ng	169547	1	6.73	734170	20.0
Phenanthrene, 2-m...	11.75	2.1	ng	129830	4	11.24	1240750	20.0
Phenanthrene, 1-m...	11.78	5.8	ng	357900	4	11.24	1240750	20.0
4H-Cyclopenta[def...	11.86	4.0	ng	246321	4	11.24	1240750	20.0
11H-Benzo[a]fluor...	13.73	5.3	ng	436838	5	13.89	1648380	20.0
Benzo[e]pyrene	15.19	5.3	ng	258369	6	15.30	982010	20.0