LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119105.D
Acq On : 27 Feb 2020 11:29
Operator : CG/JU
Sample : L1675-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-FRONT-PARKING

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	2.116	3	5	17	rVB	48069	65822	1.50%	0.156%
2	4.975	488	491	503	rVB	33390	49000	1.12%	0.116%
3	5.375	555	559	579	rBV	3315082	3344771	76.39%	7.938%
4	6.392	727	732	748	rBV	3080182	3304970	75.48%	7.844%
5	6.745	788	792	799	rBV	1106132	927676	21.19%	2.202%
6	6.904	814	819	822	rBV	3217023	2988516	68.25%	7.093%
7	7.310	883	888	891	rBV	2200255	2159554	49.32%	5.125%
8	8.028	1005	1010	1017	rBV	1269437	1222102	27.91%	2.900%
9	9.104	1187	1193	1196	rBV	4512540	4378686	100.00%	10.392%
10	9.492	1256	1259	1264	rBV	256358	232494	5.31%	0.552%
11	9.639	1280	1284	1288	rBV	95366	81256	1.86%	0.193%
12	9.775	1301	1307	1311	rBV	1398057	1395416	31.87%	3.312%
13	9.810	1311	1313	1319	rVB	85724	72586	1.66%	0.172%
14	9.980	1338	1342	1346	rBV	44448	45622	1.04%	0.108%
15	10.322	1397	1400	1406	rBV	86199	85398	1.95%	0.203%
16	10.569	1437	1442	1453	rBV	2790904	2627942	60.02%	6.237%
17	10.692	1459	1463	1467	rVB5	40752	57136	1.30%	0.136%
18	10.874	1489	1494	1496	rBV3	37465	46644	1.07%	0.111%
19	11.157	1540	1542	1549	rVB	61497	58948	1.35%	0.140%
20	11.263	1556	1560	1562	rBV	1313428	1270025	29.00%	3.014%
21	11.286	1562	1564	1568	rVV	812924	686421	15.68%	1.629%
22	11.333	1568	1572	1576	rVB	214522	219871	5.02%	0.522%
23	11.492	1594	1599	1606	rBV3	66903	110695	2.53%	0.263%
24	11.592	1612	1616	1621	rVB3	40995	54688	1.25%	0.130%
25	11.763	1641	1645	1647	rBV	180787	178592	4.08%	0.424%
26	11.792	1647	1650	1654	rVV	422003	405972	9.27%	0.964%
27	11.839	1656	1658	1660	rVV	81958	77942	1.78%	0.185%
28	11.874	1660	1664	1666	rVV	284184	320316	7.32%	0.760%
29	11.898	1666	1668	1673	rVB	111795	106046	2.42%	0.252%
30	11.992	1682	1684	1690	rBV6	44856	65050	1.49%	0.154%
31	12.057	1692	1695	1697	rVV	102762	98965	2.26%	0.235%
32	12.086	1697	1700	1704	rVB	82210	77638	1.77%	0.184%
33	12.204	1715	1720	1723	rBV2	59619	85990	1.96%	0.204%
34	12.310	1735	1738	1741	rBV	131334	116831	2.67%	0.277%

LSC Area Percent Report

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Acq On : 27 Feb 2020 11:29
Operator : CG/JU
Sample : L1675-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-FRONT-PARKING

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	12.351	1741	1745	1747	rVV2	79624	100910	2.30%	0.239%
36	12.398	1750	1753	1757	rBV2	92177	117024	2.67%	0.278%
37	12.474	1762	1766	1769	rBV	1459668	1322437	30.20%	3.139%
38	12.569	1779	1782	1787	rBV3	105132	151709	3.46%	0.360%
39	12.621	1789	1791	1795	rVB2	49326	48831	1.12%	0.116%
40	12.663	1795	1798	1799	rBV2	61729	58711	1.34%	0.139%
41	12.698	1799	1804	1808	rVV	1153776	1255136	28.66%	2.979%
42	12.751	1811	1813	1818	rVB2	56489	80821	1.85%	0.192%
43	12.845	1822	1829	1832	rBV	3791804	3480307	79.48%	8.260%
44	12.921	1838	1842	1845	rBV3	93387	146704	3.35%	0.348%
45	13.010	1854	1857	1858	rBV3	83778	98524	2.25%	0.234%
46	13.027	1858	1860	1863	rVB	232586	201010	4.59%	0.477%
47	13.098	1869	1872	1874	rVB	123803	109545	2.50%	0.260%
48	13.133	1875	1878	1881	rBV2	146147	140212	3.20%	0.333%
49	13.227	1891	1894	1896	rBV	99649	85333	1.95%	0.203%
50	13.268	1896	1901	1905	rBV2	128146	248976	5.69%	0.591%
51	13.539	1945	1947	1951	rBV	103777	97786	2.23%	0.232%
52	13.645	1963	1965	1968	rBV	95576	96065	2.19%	0.228%
53	13.674	1968	1970	1972	rVB	109252	80769	1.84%	0.192%
54	13.698	1972	1974	1976	rBV	78416	70712	1.61%	0.168%
55	13.745	1978	1982	1987	rVB3	270443	357996	8.18%	0.850%
56	13.898	2003	2008	2011	rBV2	1293650	1739753	39.73%	4.129%
57	13.927	2011	2013	2019	rVB	590684	534542	12.21%	1.269%
58	14.004	2024	2026	2028	rVB	108289	74853	1.71%	0.178%
59	14.286	2072	2074	2077	rVB	147317	109715	2.51%	0.260%
60	14.410	2093	2095	2097	rBV	88585	77624	1.77%	0.184%
61	14.921	2178	2182	2189	rVB	636150	1138513	26.00%	2.702%
62	15.210	2228	2231	2237	rVB	395554	482514	11.02%	1.145%
63	15.268	2237	2241	2246	rBV	555895	657367	15.01%	1.560%
64	15.327	2247	2251	2255	rBV	851327	1106838	25.28%	2.627%
65	16.733	2485	2490	2497	rBV	254151	502844	11.48%	1.193%
66	17.156	2558	2562	2572	rVB2	166140	340761	7.78%	0.809%

Sum of corrected areas: 42134423

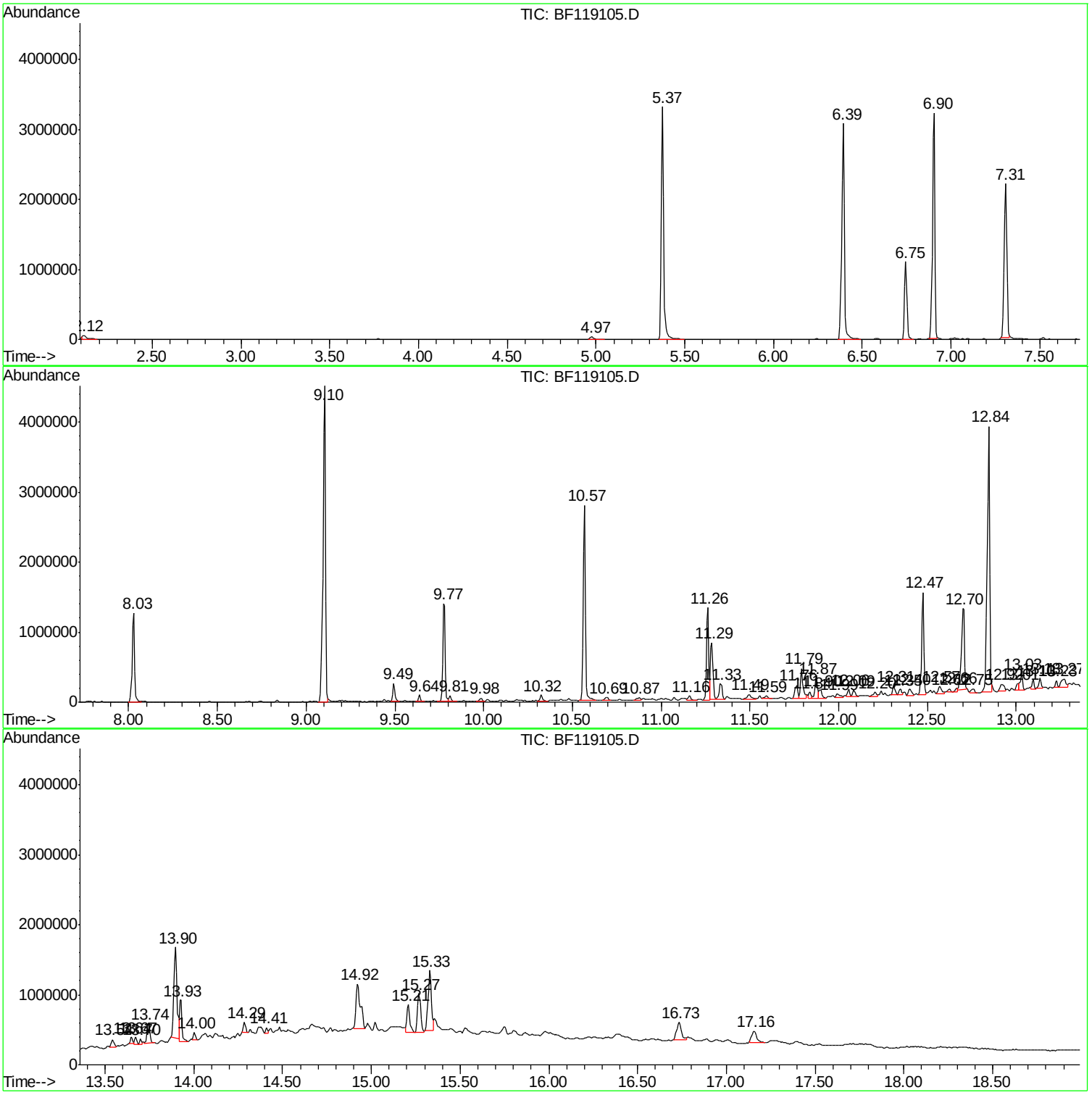
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119105.D
Acq On : 27 Feb 2020 11:29
Operator : CG/JU
Sample : L1675-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-FRONT-PARKING

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119105.D
Acq On : 27 Feb 2020 11:29
Operator : CG/JU
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ClientSampleId : COMP-FRONT-PARKING

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

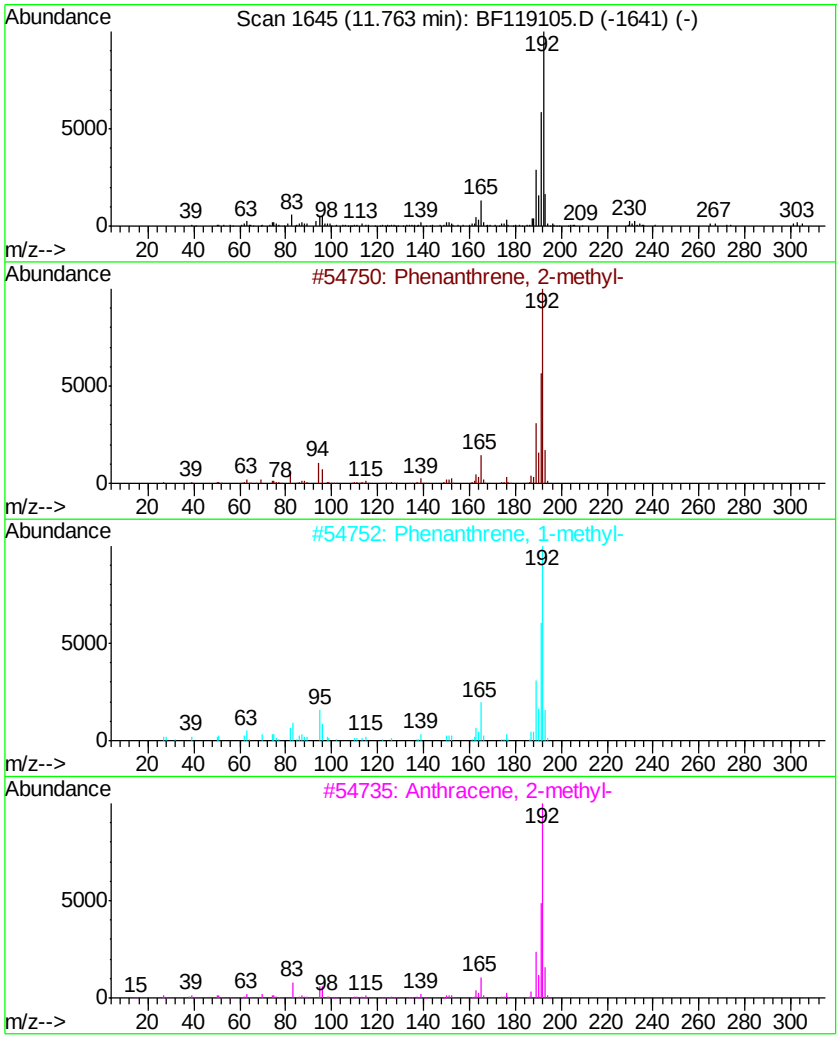
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

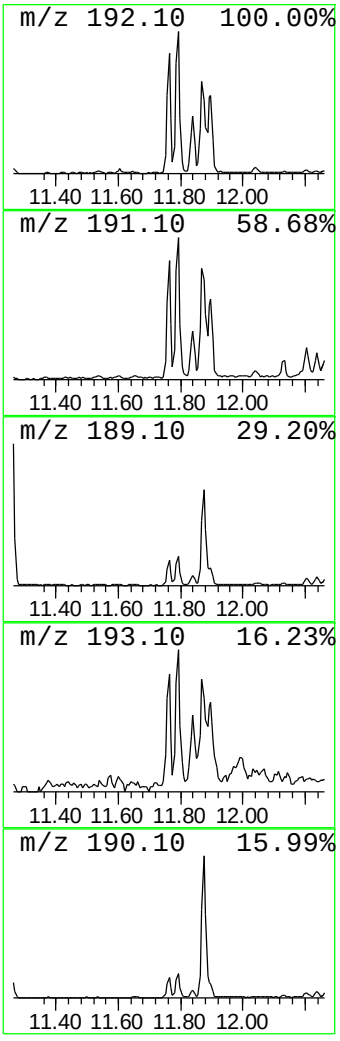
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	2.81 ng	178592	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119105.D
Acq On : 27 Feb 2020 11:29
Operator : CG/JU
Sample : L1675-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-FRONT-PARKING

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

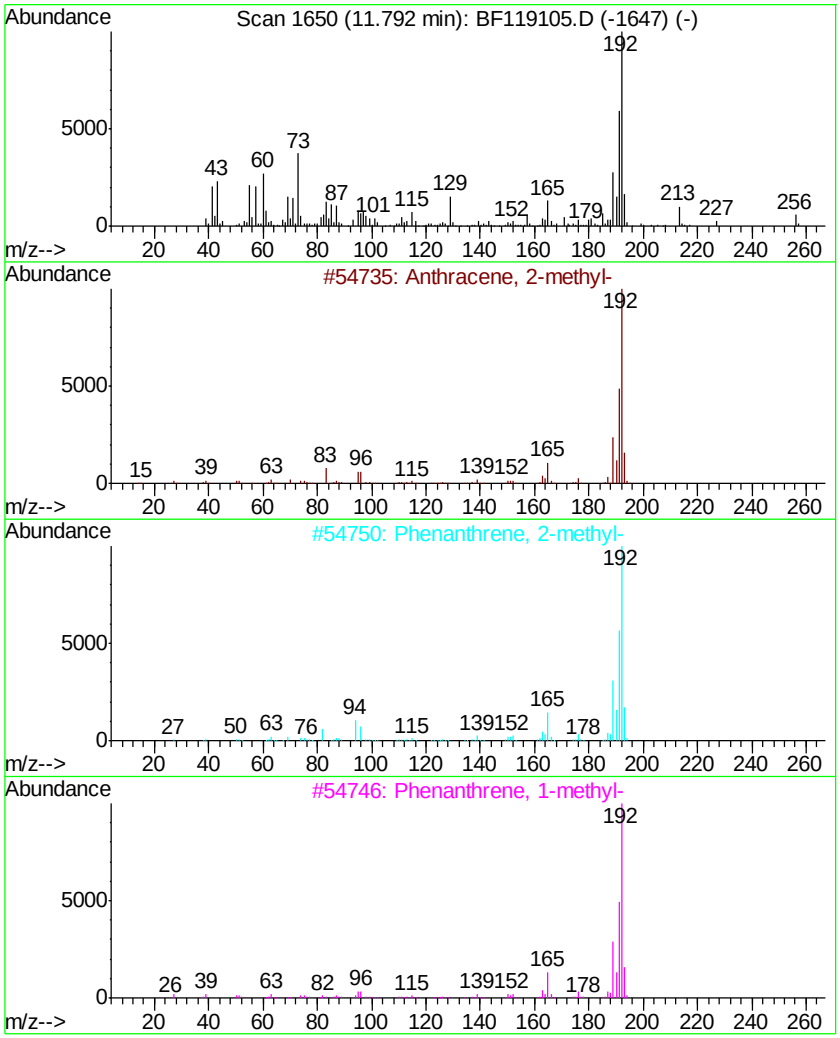
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

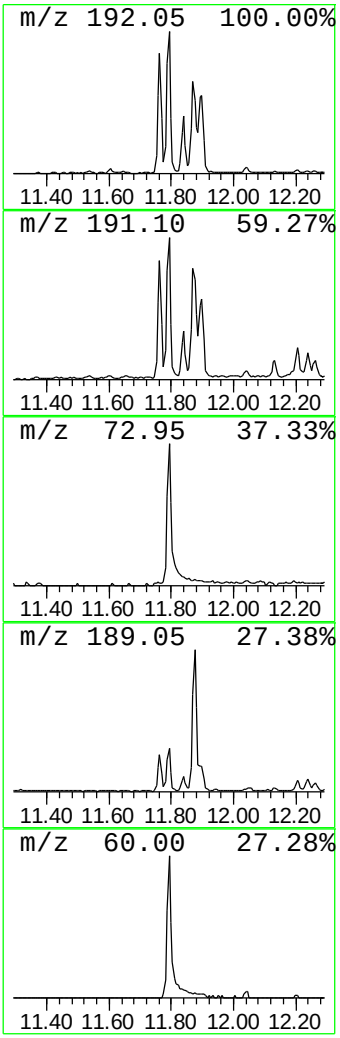
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	6.39 ng	405972	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119105.D
Acq On : 27 Feb 2020 11:29
Operator : CG/JU
Sample : L1675-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-FRONT-PARKING

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

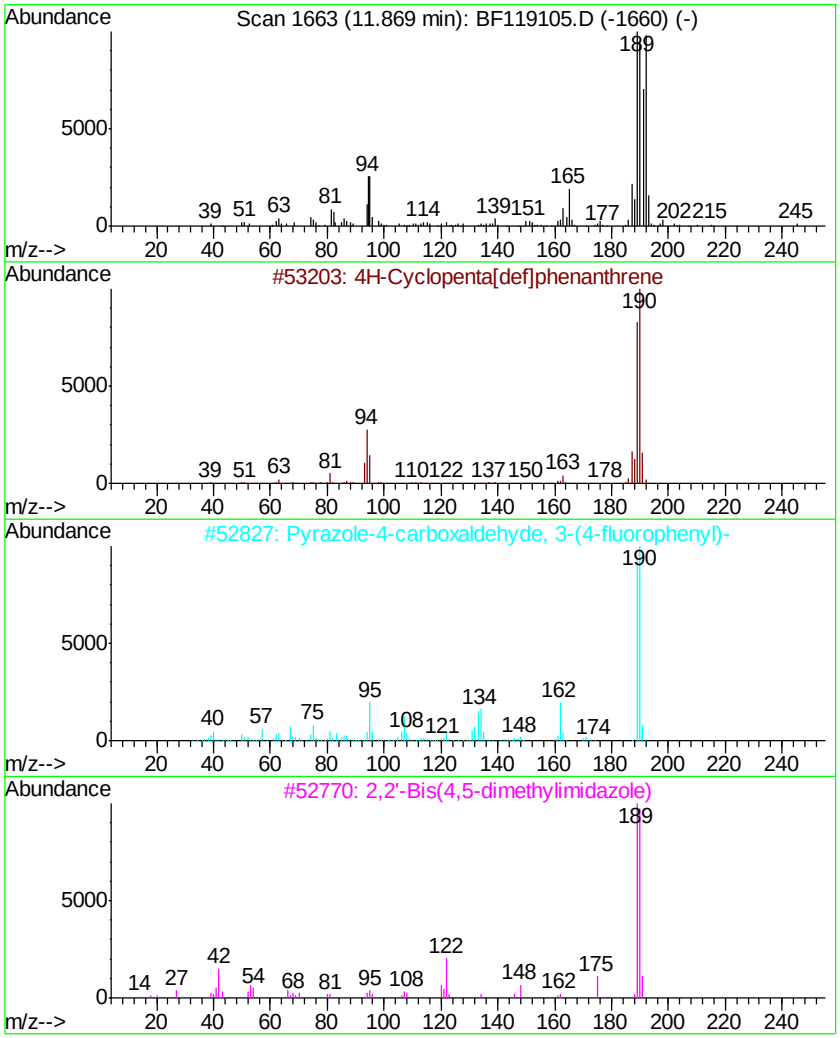
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

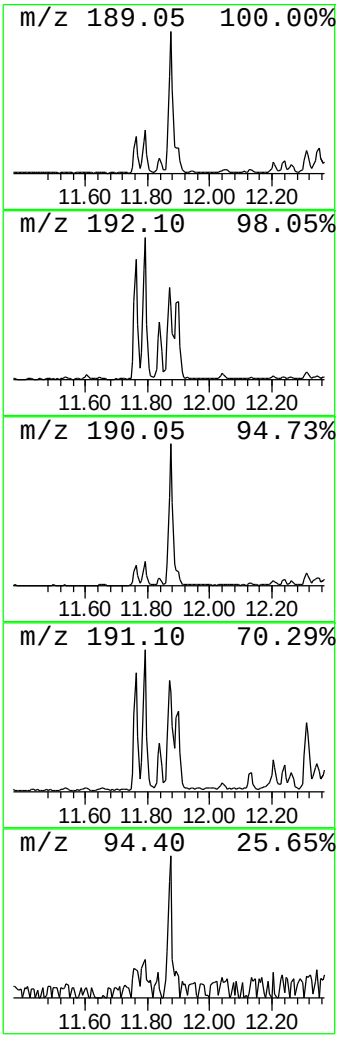
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	5.04 ng	320316	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	37
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	Carbonic acid, isobutyl 2-formyl...	290	C12H12Cl2O4	1000331-40-8	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119105.D
Acq On : 27 Feb 2020 11:29
Operator : CG/JU
Sample : L1675-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-FRONT-PARKING

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

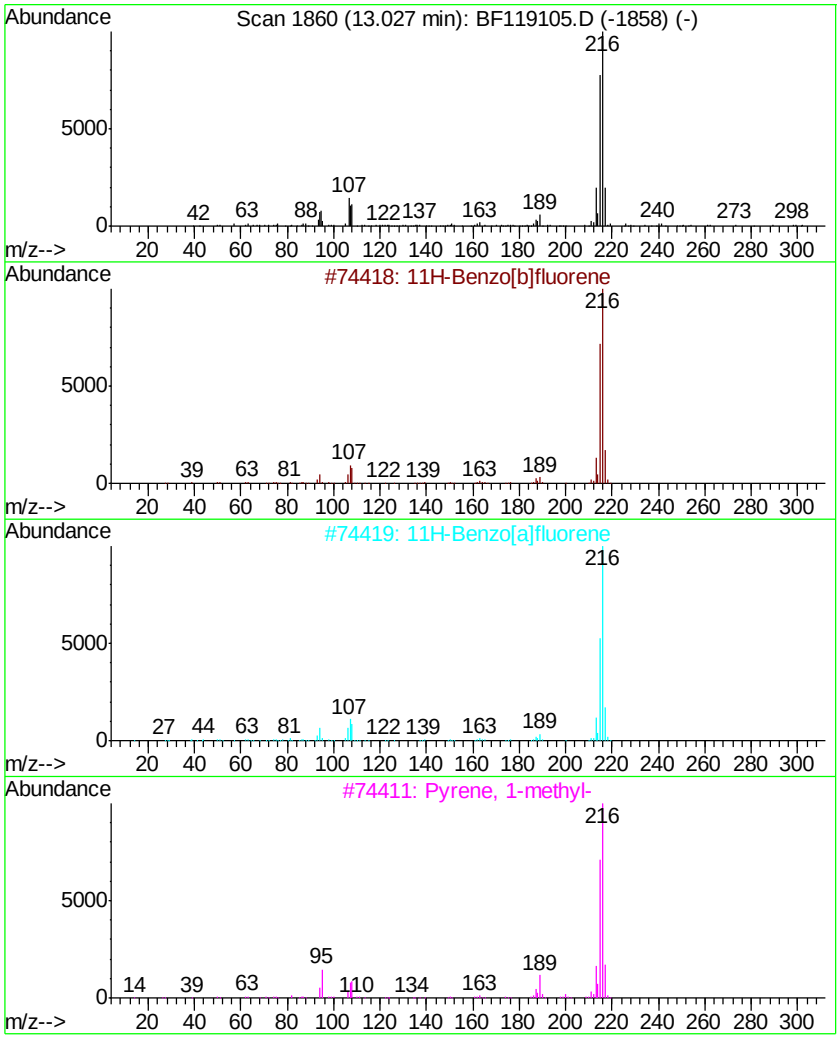
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

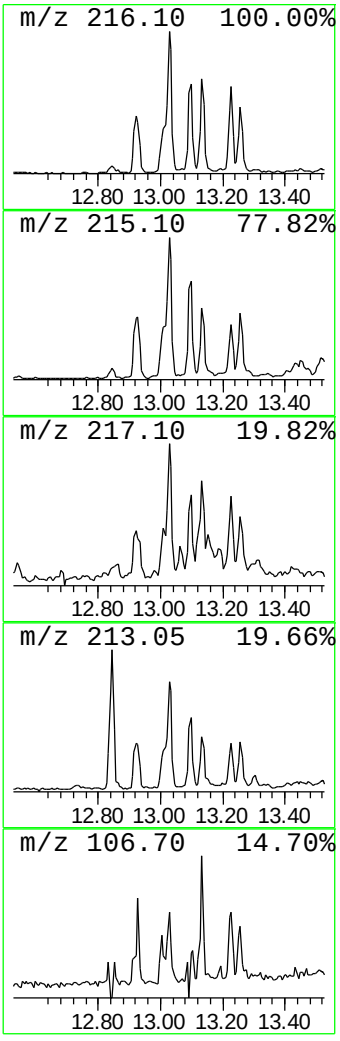
****

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.31 ng	201010	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
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Acq On : 27 Feb 2020 11:29
Operator : CG/JU
Sample : L1675-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-FRONT-PARKING

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

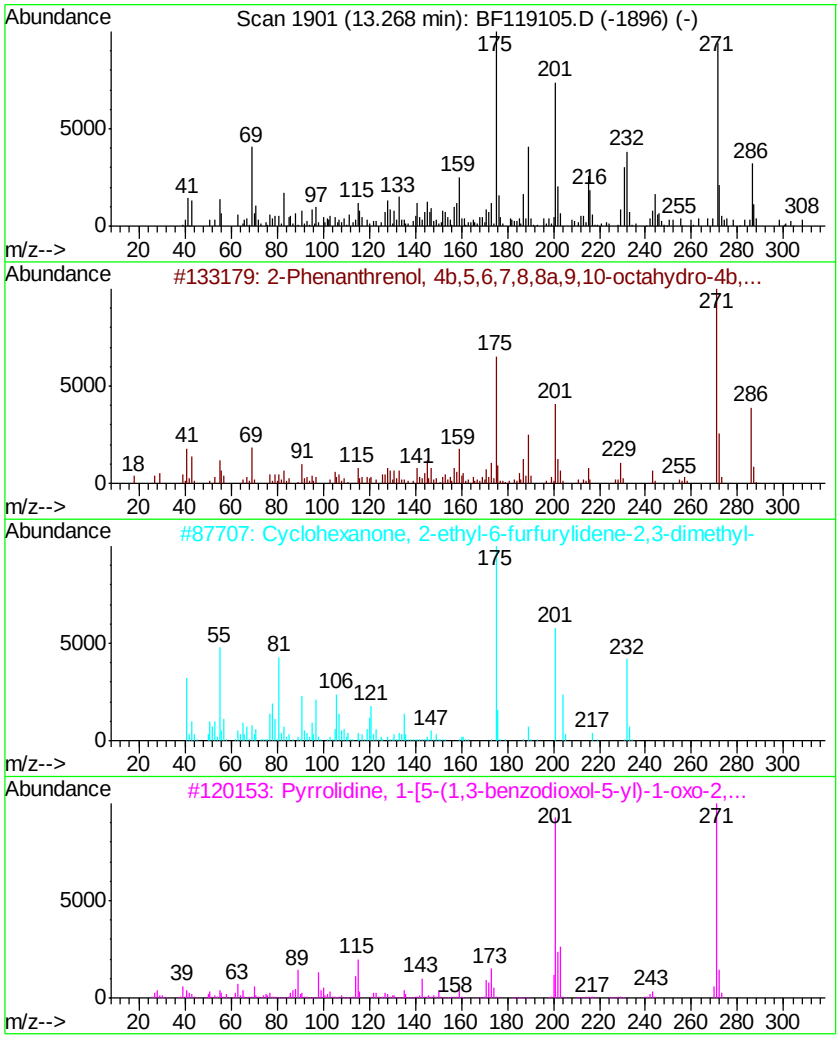
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

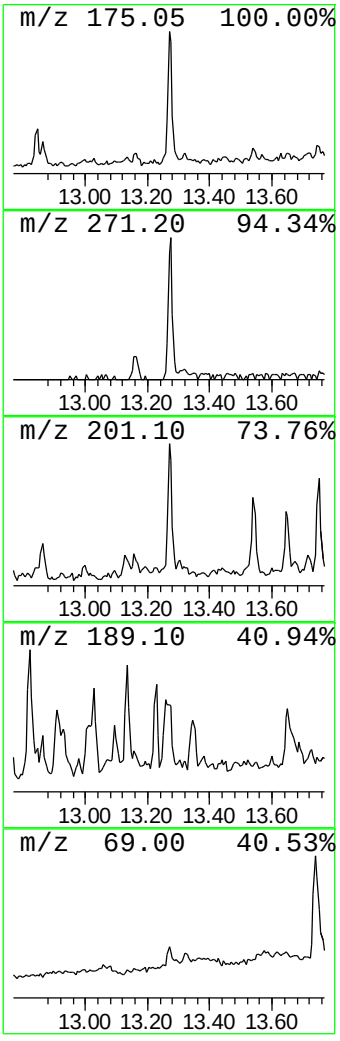
****

Peak Number 7 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.86 ng	248976	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	86
2	Cyclohexanone, 2-ethyl-6-furfury...	232	C15H20O2	017429-56-0	43
3	Pyrrolidine, 1-[5-(1,3-benzodiox...	271	C16H17NO3	025924-78-1	30
4	Naphthalene, 1,2,3,4-tetrahydro-...	216	C16H24	002084-69-7	25
5	1,7-Dimethyl-1,8-naphthyridin-4-...	232	C11H12N4O2	079878-46-9	18





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Misc :
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ClientSampleId : COMP-FRONT-PARKING

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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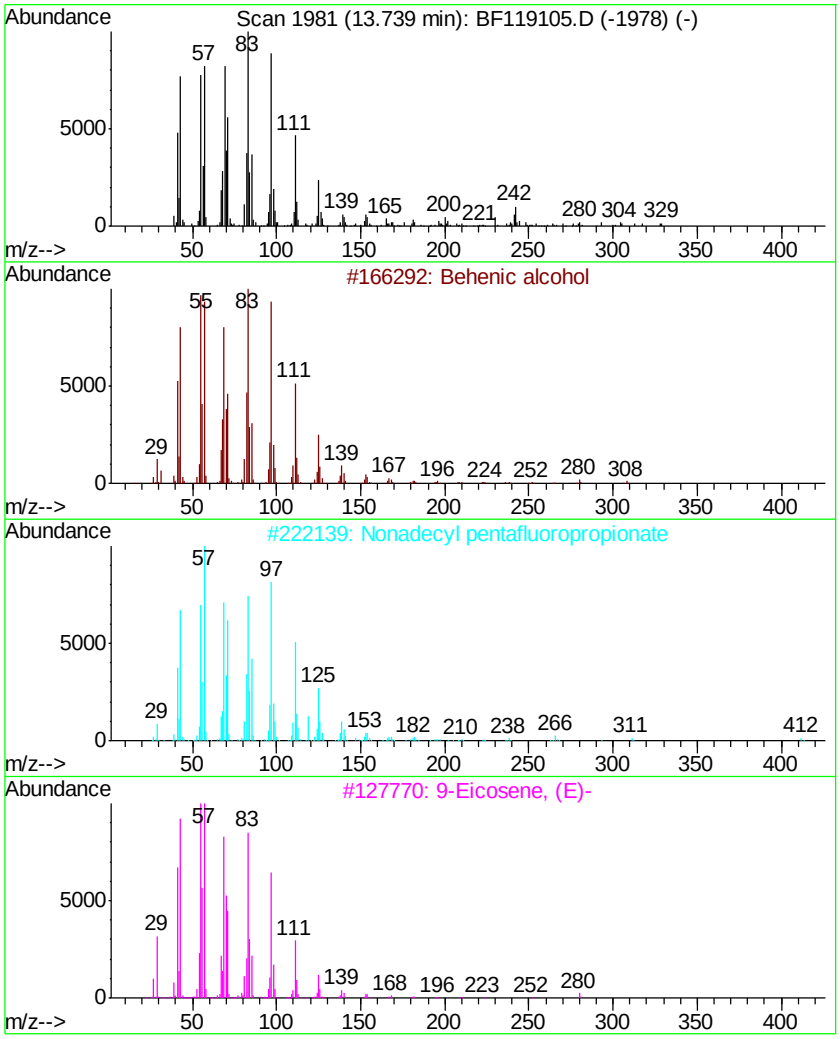
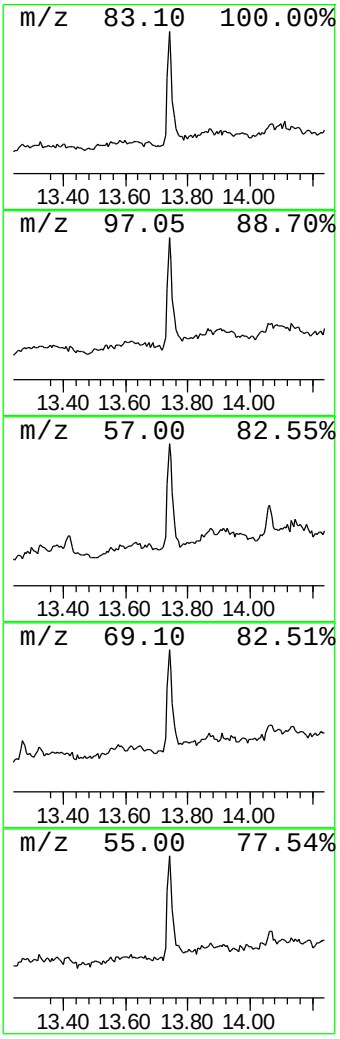
Peak Number 8 Behenic alcohol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	4.12 ng	357996	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	90
2	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	70
3	9-Eicosene, (E)-	280	C20H40	074685-29-3	64
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	60
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
Data File : BF119105.D
Acq On : 27 Feb 2020 11:29
Operator : CG/JU
Sample : L1675-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-FRONT-PARKING

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

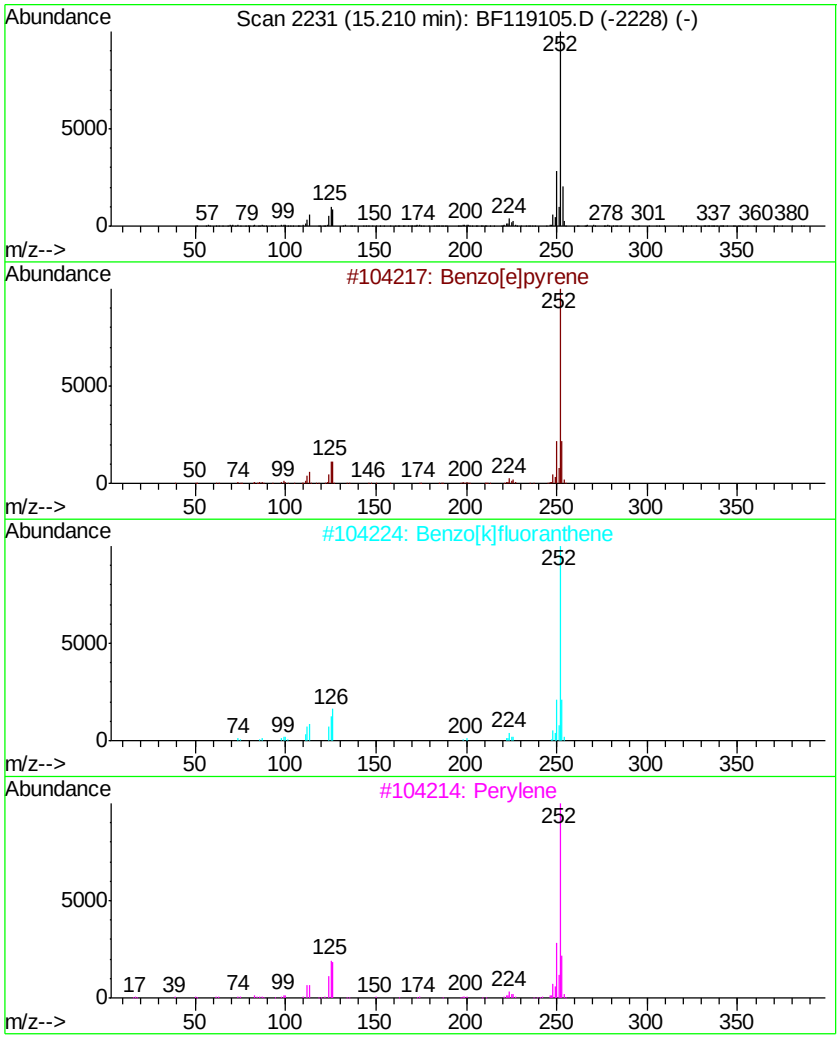
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

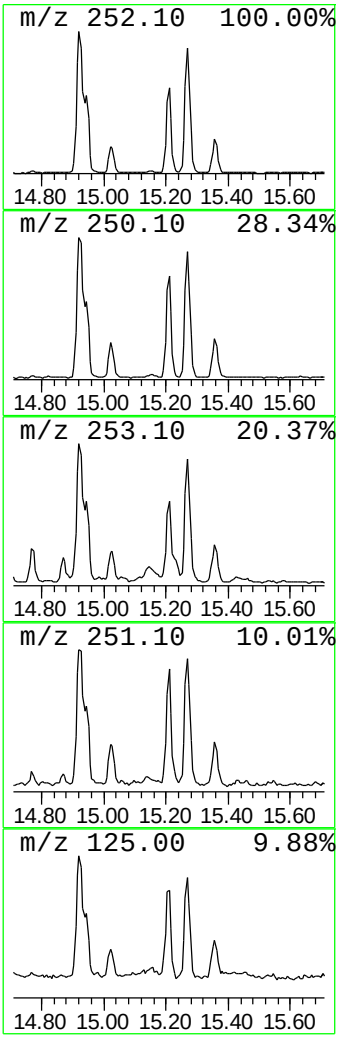
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	8.72 ng	482514	Perylene-d12	15.33

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	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022720\
Data File : BF119105.D
Acq On : 27 Feb 2020 11:29
Operator : CG/JU
Sample : L1675-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-FRONT-PARKING

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
Phenanthrene, 2-m...	11.76	2.8	ng	178592	4	11.26	1270030	20.0
Anthracene, 2-met...	11.79	6.4	ng	405972	4	11.26	1270030	20.0
4H-Cyclopenta[def...	11.87	5.0	ng	320316	4	11.26	1270030	20.0
11H-Benzo[b]fluorene	13.03	2.3	ng	201010	5	13.90	1739750	20.0
2-Phenanthrenol, ...	13.27	2.9	ng	248976	5	13.90	1739750	20.0
Behenic alcohol	13.74	4.1	ng	357996	5	13.90	1739750	20.0
Benzo[e]pyrene	15.21	8.7	ng	482514	6	15.33	1106840	20.0