LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
Data File : BF127831.D
Acq On : 18 Apr 2022 18:01
Operator : CG\JU
Sample : N2446-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
339

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-BF040622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF127831.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.099	303	308	315	rVB	42451	49270	1.39%	0.139%
2	5.581	554	560	563	rBV	3036283	3255040	92.09%	9.187%
3	6.575	723	729	732	rBV	3077173	3295028	93.22%	9.300%
4	6.951	789	793	796	rBV	1044631	863496	24.43%	2.437%
5	7.516	883	889	892	rBV	2212926	2253502	63.76%	6.360%
6	8.234	1007	1011	1013	rBV	1286352	1099810	31.12%	3.104%
7	8.251	1013	1014	1018	rVB	236576	179988	5.09%	0.508%
8	8.945	1128	1132	1135	rVB	105672	80565	2.28%	0.227%
9	9.045	1144	1149	1152	rBV	104246	84694	2.40%	0.239%
10	9.310	1188	1194	1197	rBV	4091050	3534584	100.00%	9.976%
11	9.410	1208	1211	1215	rVB	49588	44666	1.26%	0.126%
12	9.569	1234	1238	1243	rVB2	34334	45365	1.28%	0.128%
13	9.645	1247	1251	1254	rBV	66086	62700	1.77%	0.177%
14	9.851	1280	1286	1291	rBV	118026	101735	2.88%	0.287%
15	9.963	1300	1305	1306	rBV	51453	53153	1.50%	0.150%
16	9.992	1306	1310	1313	rVV	1427048	1199035	33.92%	3.384%
17	10.022	1313	1315	1319	rVB	396616	306355	8.67%	0.865%
18	10.192	1341	1344	1348	rVB	235485	212721	6.02%	0.600%
19	10.539	1400	1403	1408	rVB	401351	323043	9.14%	0.912%
20	10.692	1427	1429	1433	rVB	49771	47097	1.33%	0.133%
21	10.780	1440	1444	1448	rBV	2418869	2231878	63.14%	6.299%
22	10.904	1459	1465	1471	rVB4	36233	70758	2.00%	0.200%
23	11.086	1490	1496	1499	rBV3	51603	63782	1.80%	0.180%
24	11.216	1513	1518	1520	rBV4	32066	41066	1.16%	0.116%
25	11.380	1541	1546	1551	rVB	82743	90124	2.55%	0.254%
26	11.486	1560	1564	1566	rBV	1090219	1131934	32.02%	3.195%
27	11.510	1566	1568	1571	rVV	1010653	799339	22.61%	2.256%
28	11.557	1571	1576	1579	rVV	192639	171738	4.86%	0.485%
29	11.592	1579	1582	1585	rVB2	38447	44450	1.26%	0.125%
30	11.710	1595	1602	1608	rBV3	73422	111413	3.15%	0.314%
31	11.986	1645	1649	1651	rBV	141458	145283	4.11%	0.410%
32	12.010	1651	1653	1657	rVB	167675	159588	4.52%	0.450%
33	12.057	1657	1661	1664	rBV	62879	65298	1.85%	0.184%
34	12.098	1664	1668	1670	rVV2	243119	250933	7.10%	0.708%
35	12.122	1670	1672	1675	rVB	93781	79633	2.25%	0.225%
36	12.280	1696	1699	1701	rBV	90626	74337	2.10%	0.210%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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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-BF040622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.304	1701	1703	1706	rVB2	90696	75984	2.15%	0.214%
38	12.533	1739	1742	1745	rBV	119688	121915	3.45%	0.344%
39	12.574	1745	1749	1751	rVV3	65662	88467	2.50%	0.250%
40	12.622	1754	1757	1761	rBV2	96037	100822	2.85%	0.285%
41	12.698	1767	1770	1774	rVB	1157790	1041253	29.46%	2.939%
42	12.792	1784	1786	1789	rBV	52662	40861	1.16%	0.115%
43	12.927	1803	1809	1815	rBV	1004721	1169599	33.09%	3.301%
44	12.980	1815	1818	1822	rVB2	70831	85921	2.43%	0.243%
45	13.069	1826	1833	1840	rVB	2830714	2815258	79.65%	7.946%
46	13.145	1842	1846	1850	rBV2	111831	176971	5.01%	0.499%
47	13.233	1857	1861	1862	rBV3	91762	103099	2.92%	0.291%
48	13.257	1862	1865	1868	rVB	234909	223154	6.31%	0.630%
49	13.321	1873	1876	1879	rBV	166067	136533	3.86%	0.385%
50	13.363	1879	1883	1885	rBV2	153628	154314	4.37%	0.436%
51	13.457	1896	1899	1901	rBV	106686	90682	2.57%	0.256%
52	13.486	1901	1904	1907	rVV	89553	90756	2.57%	0.256%
53	13.763	1948	1951	1956	rVB	105964	116442	3.29%	0.329%
54	13.833	1960	1963	1965	rVB2	69262	63945	1.81%	0.180%
55	13.880	1966	1971	1974	rBV2	127098	166786	4.72%	0.471%
56	13.910	1974	1976	1978	rVV	78104	56457	1.60%	0.159%
57	13.933	1978	1980	1984	rVB2	63510	65664	1.86%	0.185%
58	13.974	1984	1987	1990	rVB2	81559	78832	2.23%	0.222%
59	14.016	1990	1994	1996	rBV	60784	84701	2.40%	0.239%
60	14.127	2005	2013	2016	rBV2	1094923	1611629	45.60%	4.549%
61	14.157	2016	2018	2024	rVB	809308	676655	19.14%	1.910%
62	14.233	2025	2031	2033	rBV4	68839	115918	3.28%	0.327%
63	14.516	2077	2079	2082	rVB	161621	128865	3.65%	0.364%
64	14.551	2082	2085	2089	rVB2	110746	101228	2.86%	0.286%
65	14.586	2089	2091	2093	rBV2	38880	45834	1.30%	0.129%
66	14.645	2098	2101	2103	rVV	83163	84099	2.38%	0.237%
67	14.668	2103	2105	2109	rVB3	62675	55729	1.58%	0.157%
68	15.198	2190	2195	2198	rBV	485636	731270	20.69%	2.064%
69	15.310	2211	2214	2218	rVB	99153	98406	2.78%	0.278%
70	15.521	2246	2250	2256	rVB	263570	352785	9.98%	0.996%
71	15.586	2256	2261	2267	rBV	336656	440752	12.47%	1.244%
72	15.651	2267	2272	2276	rBV2	593591	788034	22.29%	2.224%
73	17.198	2530	2535	2543	rVB3	123641	256199	7.25%	0.723%
74	17.668	2610	2615	2621	rVB2	87485	170920	4.84%	0.482%

Sum of corrected areas: 35430140

Instrument :
BNA_F
ClientSampleId :
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Misc :
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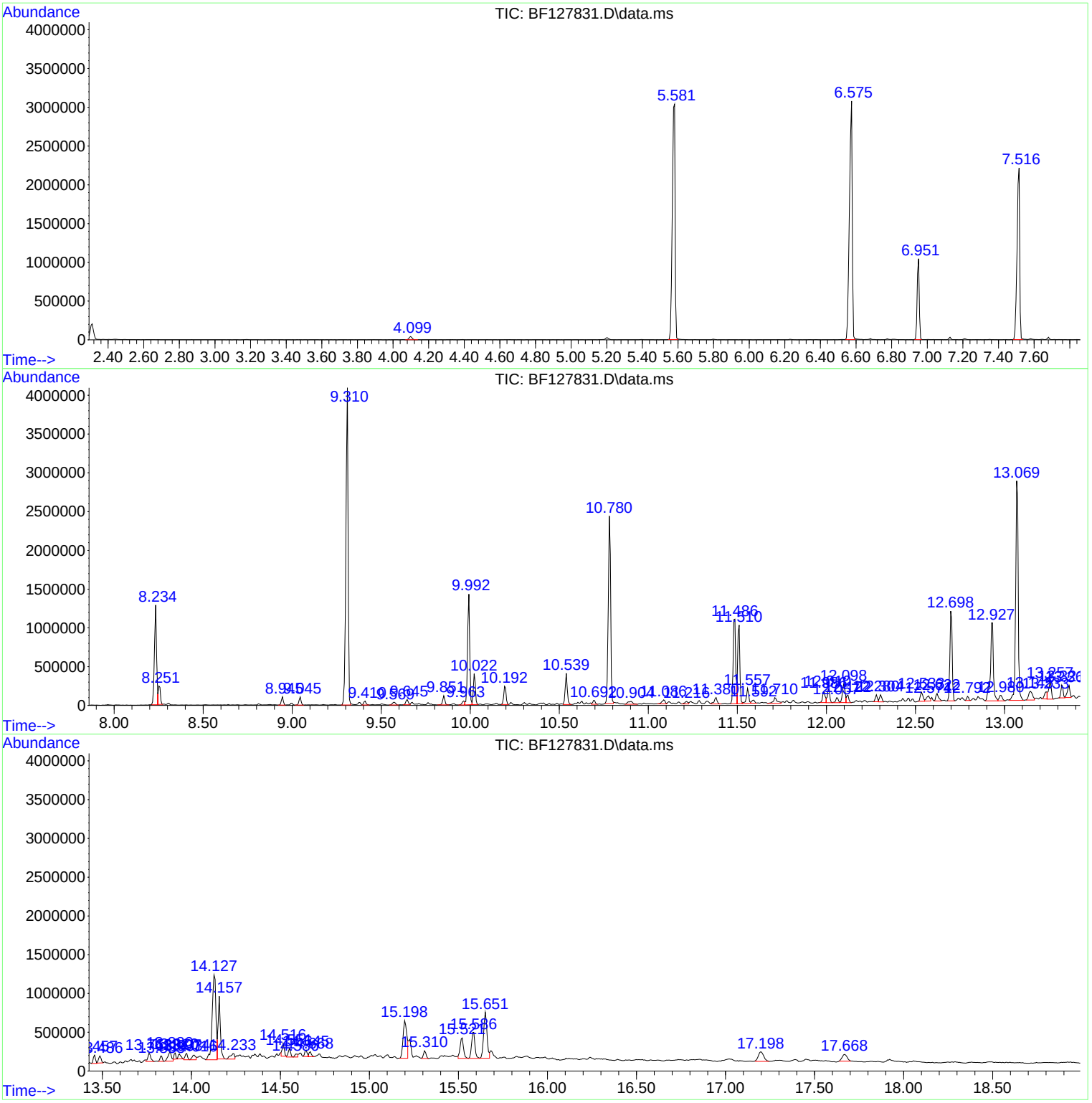
Instrument :
BNA_F
ClientSampleId :
339

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
Data File : BF127831.D
Acq On : 18 Apr 2022 18:01
Operator : CG\JU
Sample : N2446-01
Misc :
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Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

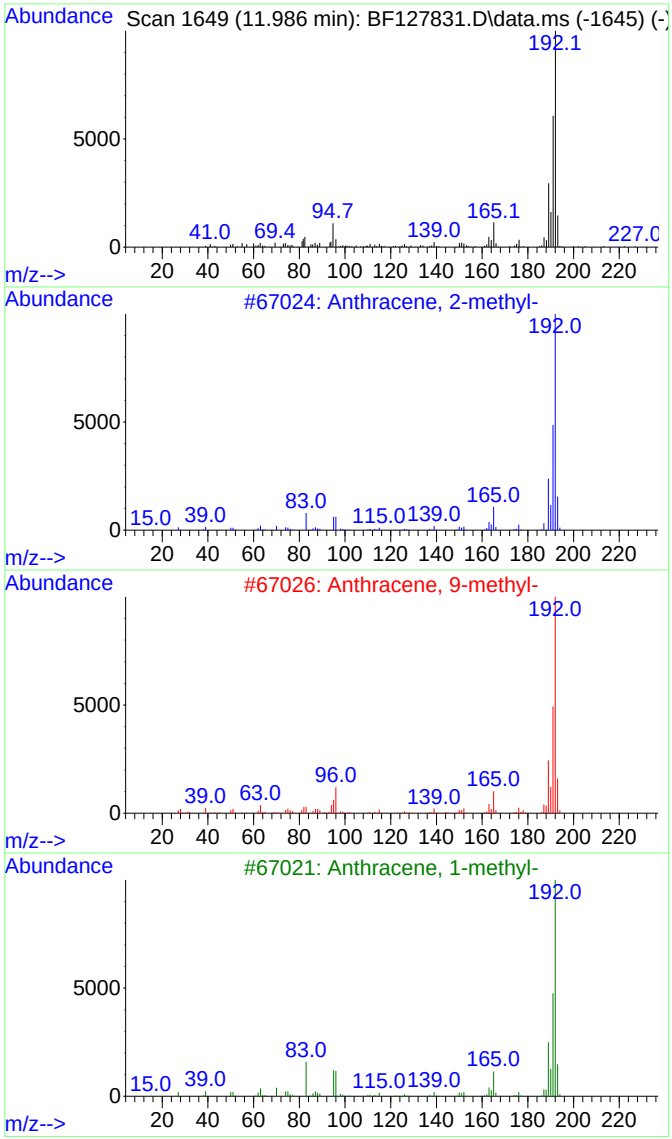
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

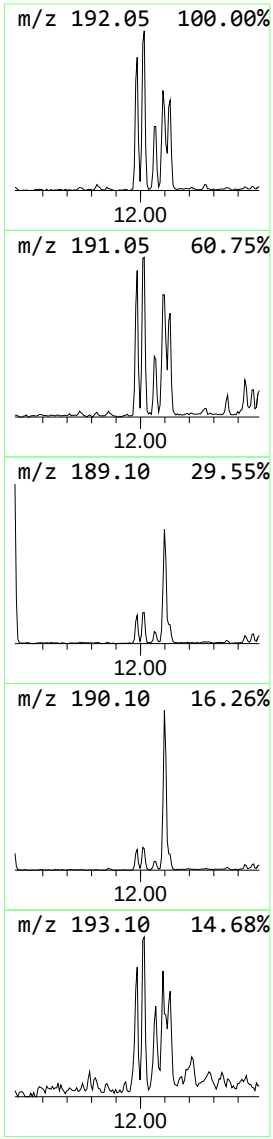
****

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	2.57 ng	145283	Phenanthrene-d10	11.486

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





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Data File : BF127831.D
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Operator : CG\JU
Sample : N2446-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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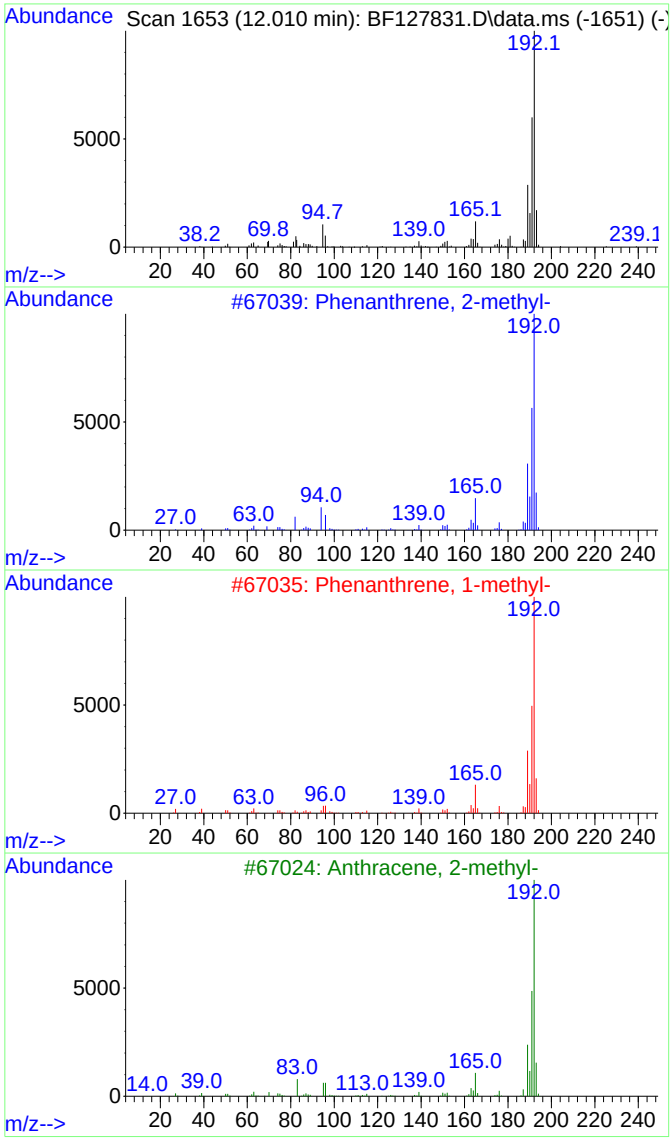
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

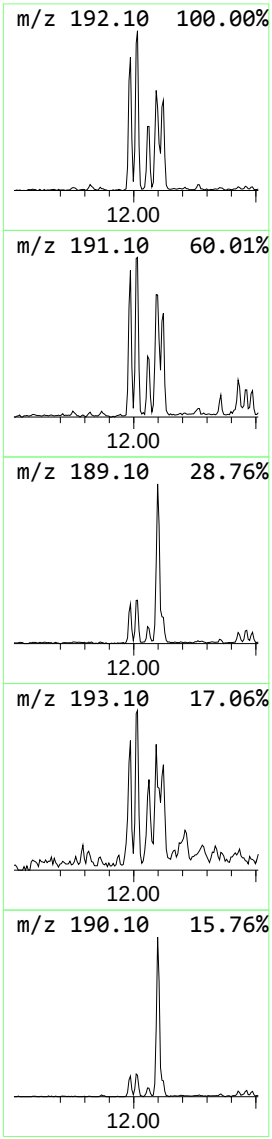
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	2.82 ng	159588	Phenanthrene-d10	11.486

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
Data File : BF127831.D
Acq On : 18 Apr 2022 18:01
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Sample : N2446-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
339

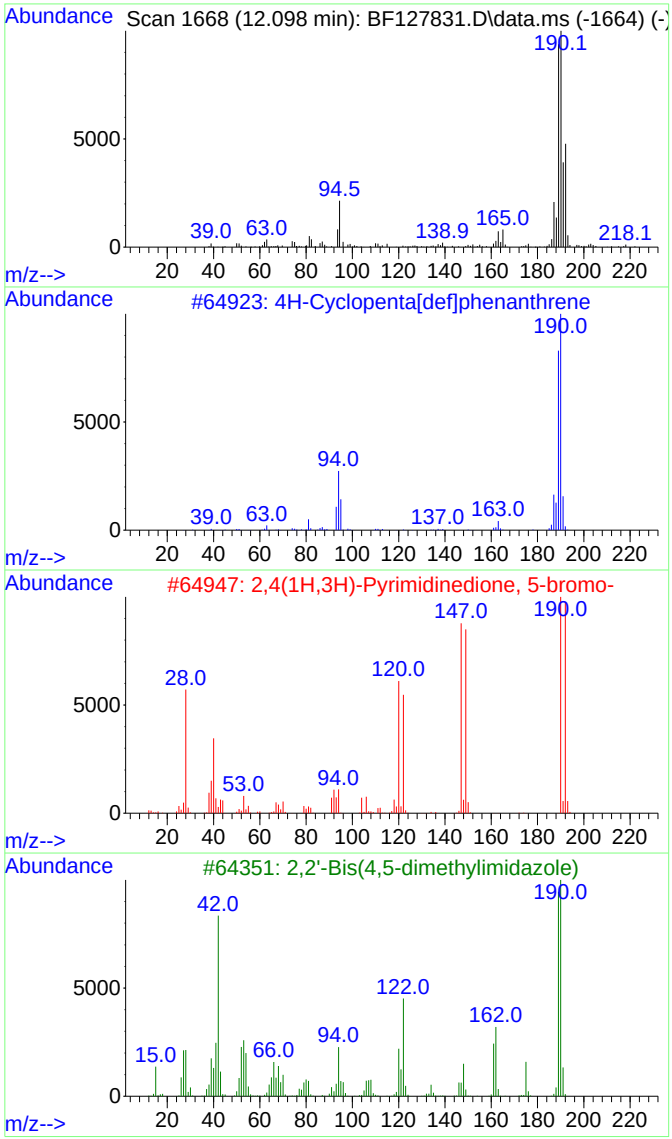
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

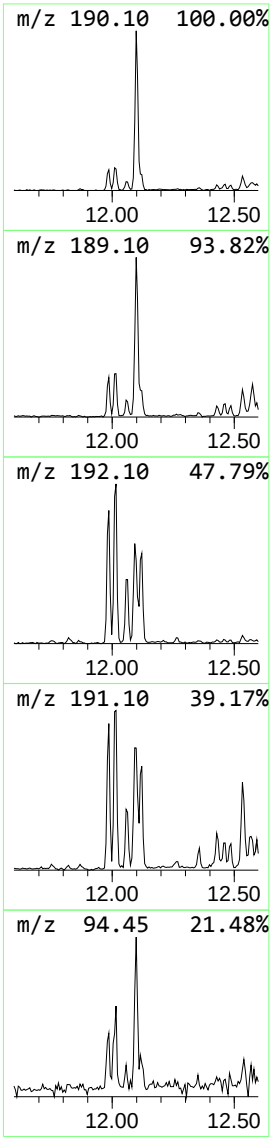
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	4.43 ng	250933	Phenanthrene-d10	11.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	38
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	1-Aminocyclopentanecarboxylic ac...	361	C18H32ClNO4	1000329-17-0	27
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
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Sample : N2446-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

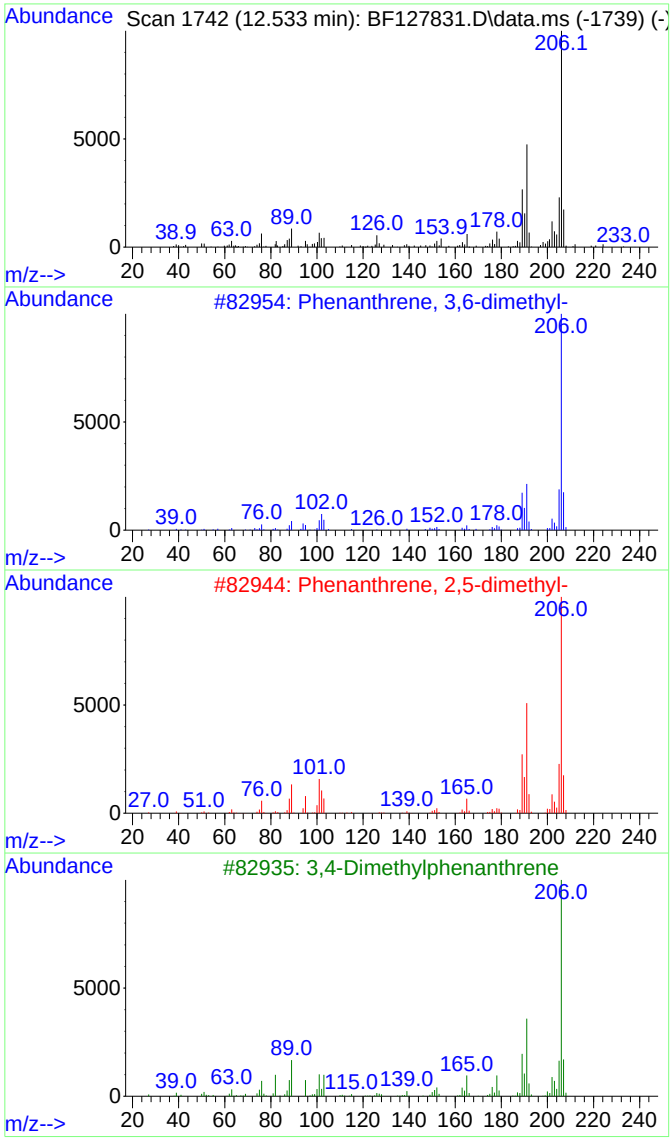
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

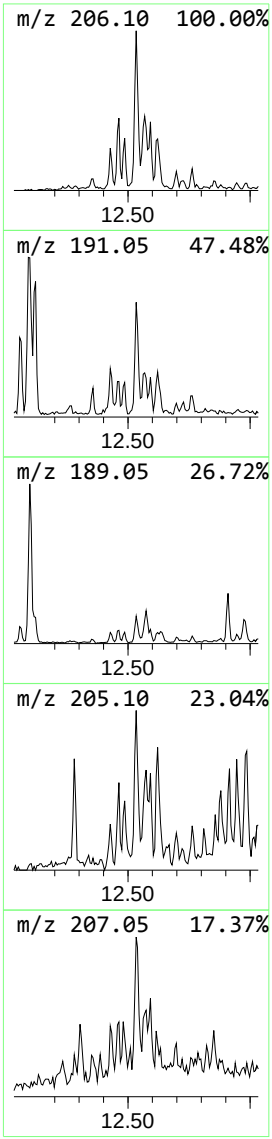
****

Peak Number 4 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	2.15 ng	121915	Phenanthrene-d10	11.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
Data File : BF127831.D
Acq On : 18 Apr 2022 18:01
Operator : CG\JU
Sample : N2446-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
339

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

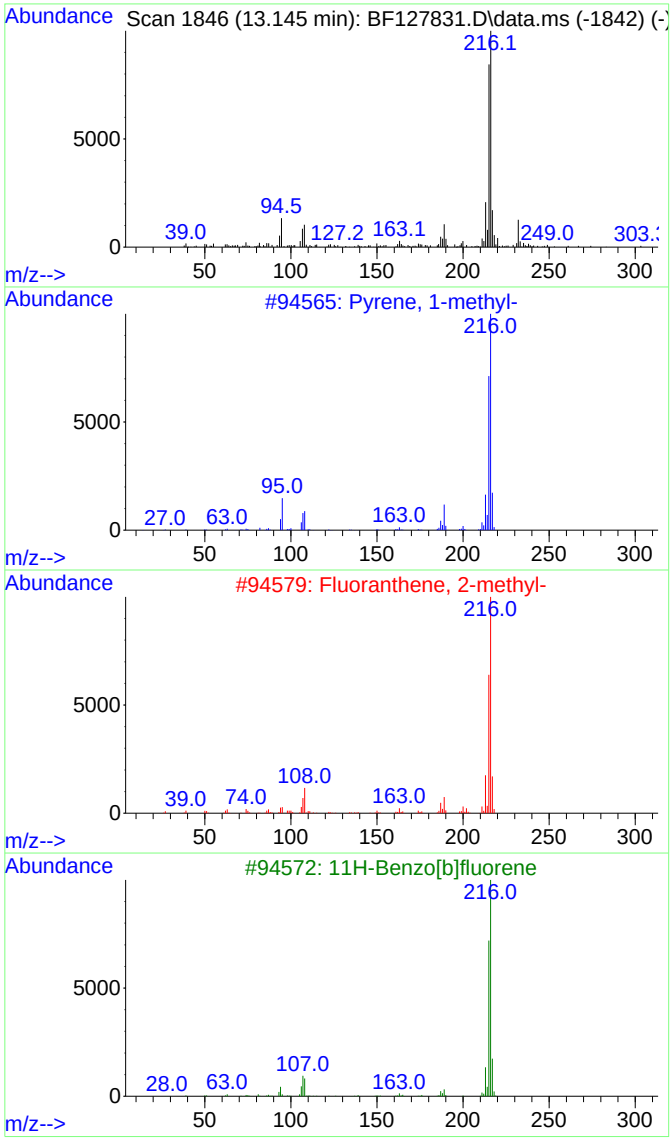
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

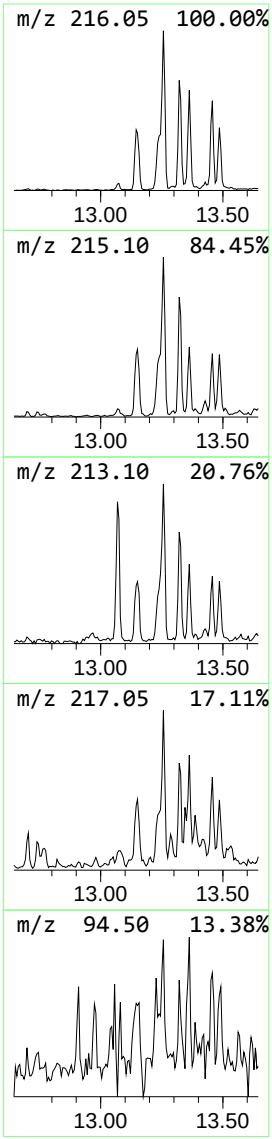
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.145	2.20 ng	176971	Chrysene-d12	14.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Data File : BF127831.D
Acq On : 18 Apr 2022 18:01
Operator : CG\JU
Sample : N2446-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
339

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

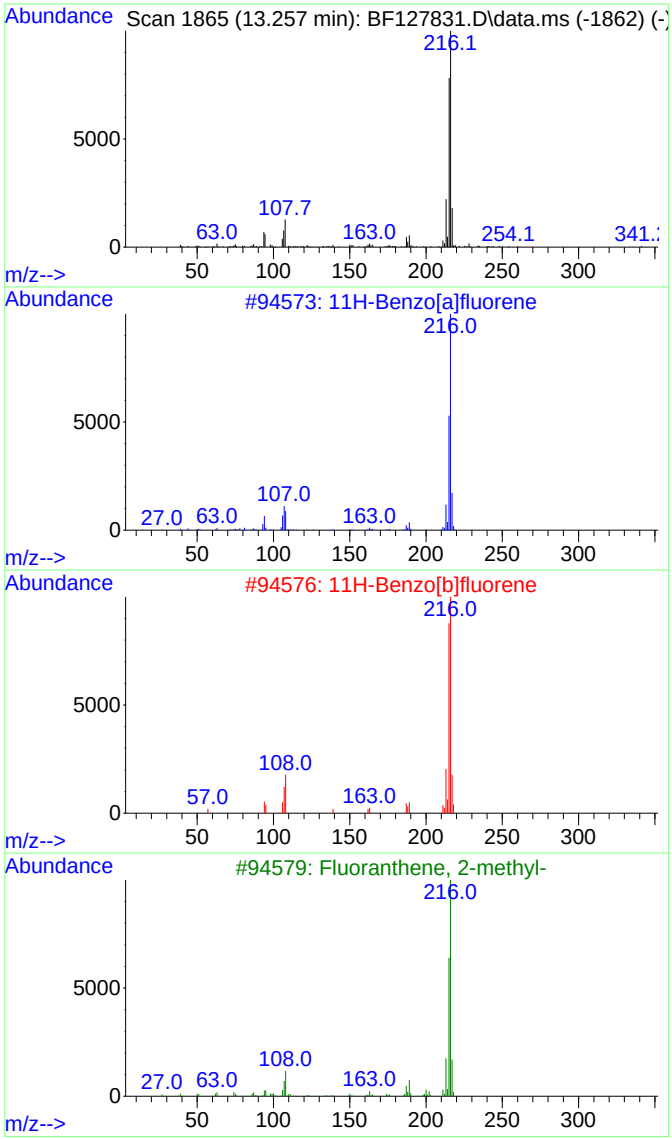
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

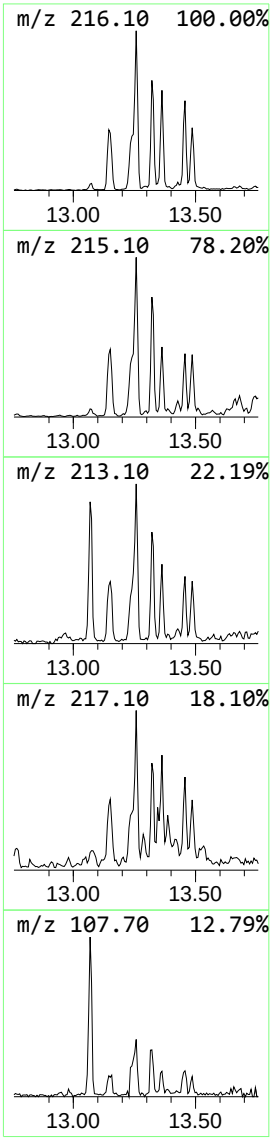
****

Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.257	2.77 ng	223154	Chrysene-d12	14.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
Data File : BF127831.D
Acq On : 18 Apr 2022 18:01
Operator : CG\JU
Sample : N2446-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
339

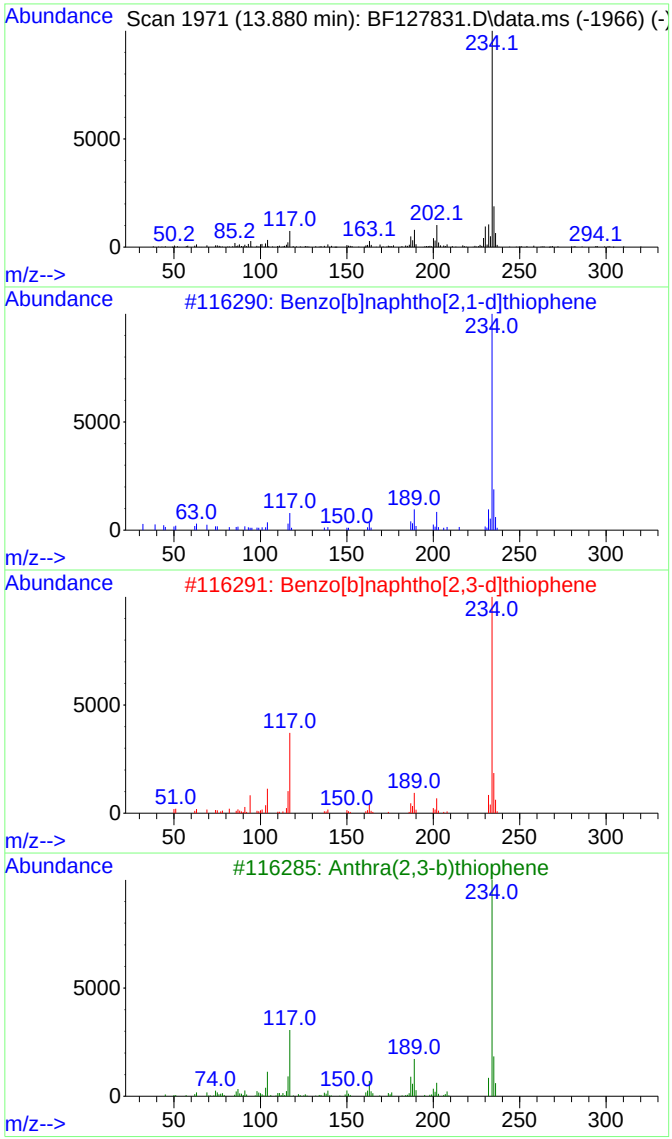
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

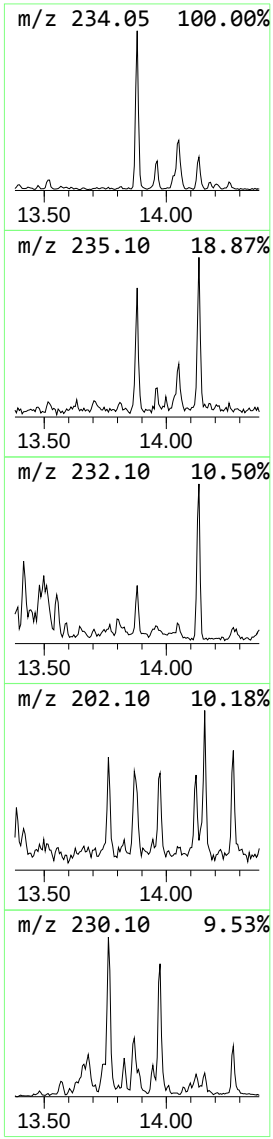
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	2.07 ng	166786	Chrysene-d12	14.133

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	89
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	62
5	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	58





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Operator : CG\JU
Sample : N2446-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
339

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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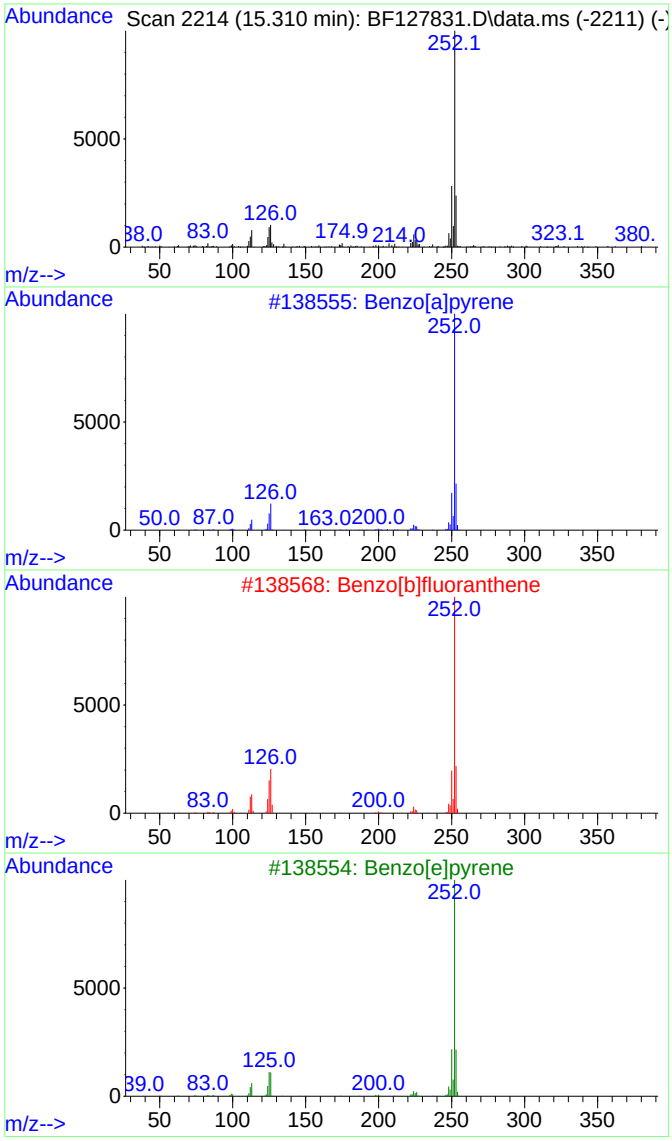
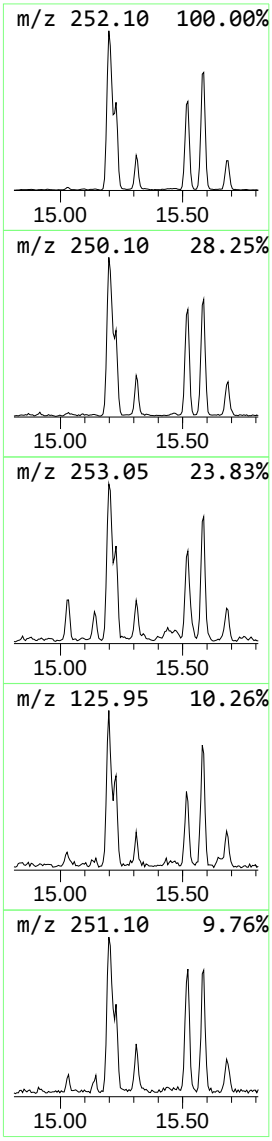
Peak Number 8 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.310	2.50 ng	98406	Perylene-d12	15.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	91
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





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Data File : BF127831.D
Acq On : 18 Apr 2022 18:01
Operator : CG\JU
Sample : N2446-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
339

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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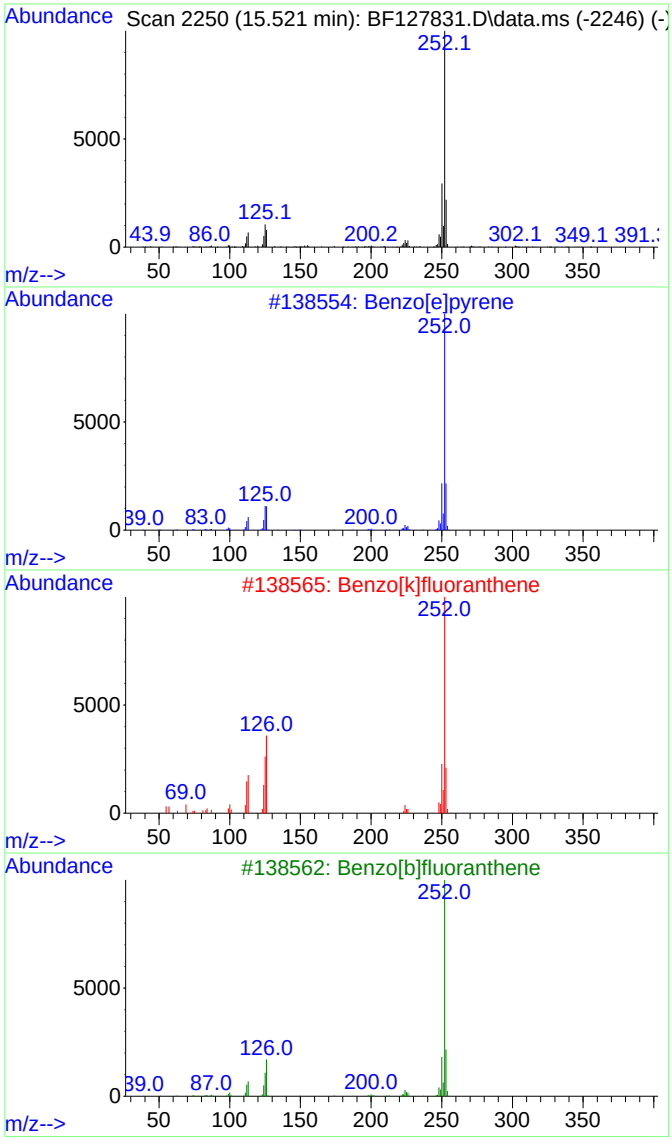
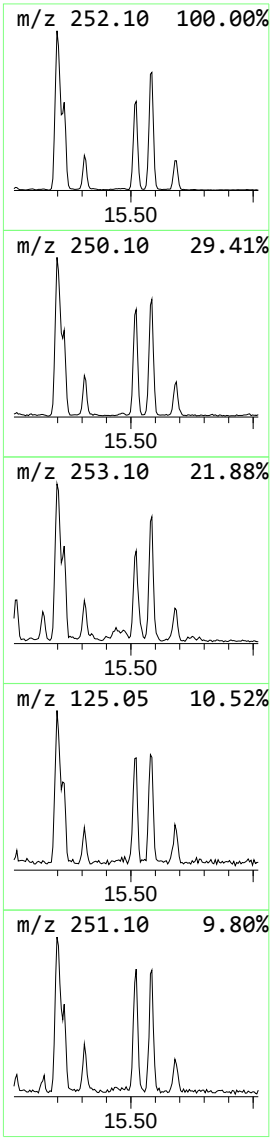
Peak Number 9 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.521	8.95 ng	352785	Perylene-d12	15.651

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	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
Data File : BF127831.D
Acq On : 18 Apr 2022 18:01
Operator : CG\JU
Sample : N2446-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
339

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Anthracene, 2-m...	11.986	2.6	ng	145283	4	11.486	1131930	20.0
Phenanthrene, 2...	12.010	2.8	ng	159588	4	11.486	1131930	20.0
4H-Cyclopenta[d...	12.098	4.4	ng	250933	4	11.486	1131930	20.0
Phenanthrene, 3...	12.533	2.1	ng	121915	4	11.486	1131930	20.0
Pyrene, 1-methyl-	13.145	2.2	ng	176971	5	14.133	1611630	20.0
11H-Benzo[a]flu...	13.257	2.8	ng	223154	5	14.133	1611630	20.0
Benzo[b]naphtho...	13.880	2.1	ng	166786	5	14.133	1611630	20.0
Benzo[e]pyrene	15.310	2.5	ng	98406	6	15.651	788034	20.0
Perylene	15.521	8.9	ng	352785	6	15.651	788034	20.0