LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134926.D
Acq On : 24 Aug 2023 16:13
Operator : CG\JU
Sample : 04082-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 362

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-BF082223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134926.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.428	564	568	571	rBV	2064982	1830218	88.22%	7.862%
2	6.434	734	739	742	rBV	2065958	1890040	91.10%	8.119%
3	6.792	797	800	804	rBV	800474	629715	30.35%	2.705%
4	7.357	891	896	899	rBV	1314730	1184647	57.10%	5.089%
5	8.075	1014	1018	1021	rBV	922622	787092	37.94%	3.381%
6	9.151	1197	1201	1204	rBV	2657001	2074644	100.00%	8.912%
7	9.833	1310	1317	1320	rBV	847058	789715	38.07%	3.392%
8	9.863	1320	1322	1326	rVB	46402	36062	1.74%	0.155%
9	10.380	1407	1410	1415	rVB	47126	40471	1.95%	0.174%
10	10.621	1447	1451	1455	rBV	1331335	1137153	54.81%	4.885%
11	10.751	1469	1473	1477	rVB6	21663	30721	1.48%	0.132%
12	11.198	1542	1549	1550	rBV6	14297	29448	1.42%	0.126%
13	11.221	1550	1553	1558	rVB	35389	39954	1.93%	0.172%
14	11.321	1567	1570	1572	rBV	783742	699898	33.74%	3.006%
15	11.345	1572	1574	1578	rVV	638076	542531	26.15%	2.330%
16	11.398	1580	1583	1586	rVB	117506	102045	4.92%	0.438%
17	11.433	1586	1589	1593	rBV	51922	52185	2.52%	0.224%
18	11.557	1607	1610	1613	rBV	51810	39317	1.90%	0.169%
19	11.792	1647	1650	1652	rBV3	20650	26011	1.25%	0.112%
20	11.827	1653	1656	1659	rVV	97086	96938	4.67%	0.416%
21	11.857	1659	1661	1665	rVV2	252049	261787	12.62%	1.125%
22	11.904	1667	1669	1672	rVV	45558	46878	2.26%	0.201%
23	11.939	1672	1675	1678	rVV	162567	173439	8.36%	0.745%
24	11.963	1678	1679	1683	rVB2	58683	41273	1.99%	0.177%
25	12.127	1704	1707	1709	rBV	64724	60231	2.90%	0.259%
26	12.151	1709	1711	1715	rVB	113784	93429	4.50%	0.401%
27	12.310	1735	1738	1740	rBV	24278	26225	1.26%	0.113%
28	12.380	1748	1750	1754	rBV	52136	56906	2.74%	0.244%
29	12.468	1762	1765	1769	rBV	65226	78378	3.78%	0.337%
30	12.545	1774	1778	1781	rBV	1482869	1244846	60.00%	5.347%
31	12.774	1811	1817	1820	rBV	1176024	1248494	60.18%	5.363%
32	12.821	1823	1825	1831	rVB2	44779	57559	2.77%	0.247%
33	12.892	1835	1837	1839	rVV	56183	63079	3.04%	0.271%
34	12.921	1839	1842	1849	rVB	2001715	1782461	85.92%	7.657%
35	13.080	1867	1869	1870	rBV	52509	45532	2.19%	0.196%
36	13.104	1871	1873	1876	rVB	177915	151309	7.29%	0.650%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134926.D
Acq On : 24 Aug 2023 16:13
Operator : CG\JU
Sample : 04082-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
362

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-BF082223.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.174	1882	1885	1887	rVB	130564	118625	5.72%	0.510%
38	13.210	1887	1891	1893	rBV2	125626	127623	6.15%	0.548%
39	13.304	1904	1907	1909	rBV	61090	51761	2.49%	0.222%
40	13.333	1909	1912	1916	rBV2	70209	72517	3.50%	0.311%
41	13.615	1958	1960	1965	rVB	112255	115876	5.59%	0.498%
42	13.727	1976	1979	1982	rBV2	145068	145872	7.03%	0.627%
43	13.757	1982	1984	1986	rVV	93548	71460	3.44%	0.307%
44	13.780	1986	1988	1989	rVV	84991	64794	3.12%	0.278%
45	13.827	1993	1996	2001	rVB	223183	222019	10.70%	0.954%
46	13.980	2017	2022	2025	rBV2	978427	1394934	67.24%	5.992%
47	14.010	2025	2027	2032	rVB	691174	570771	27.51%	2.452%
48	14.086	2037	2040	2043	rVB	226022	190170	9.17%	0.817%
49	14.409	2092	2095	2098	rBV3	73534	81876	3.95%	0.352%
50	15.027	2196	2200	2203	rBV	576782	829538	39.98%	3.563%
51	15.333	2248	2252	2258	rVB	325841	419867	20.24%	1.804%
52	15.398	2259	2263	2268	rVB	372921	456888	22.02%	1.963%
53	15.462	2270	2274	2277	rBV	376504	482464	23.26%	2.072%
54	16.950	2523	2527	2537	rVB2	170888	372262	17.94%	1.599%

Sum of corrected areas: 23279948

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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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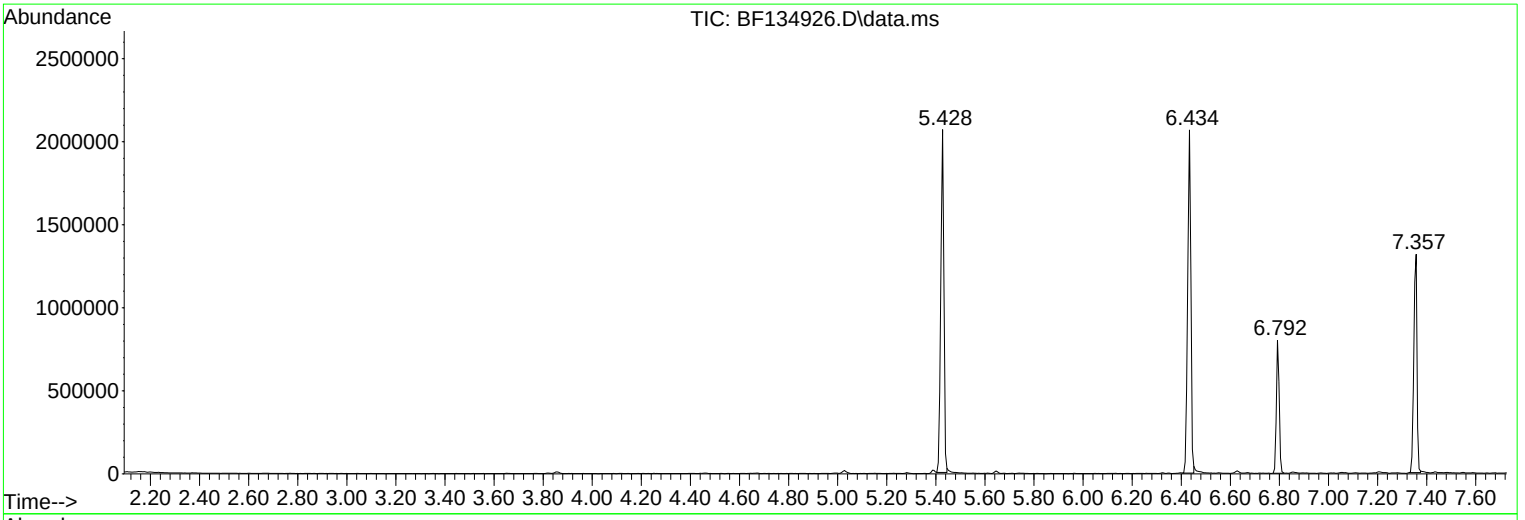
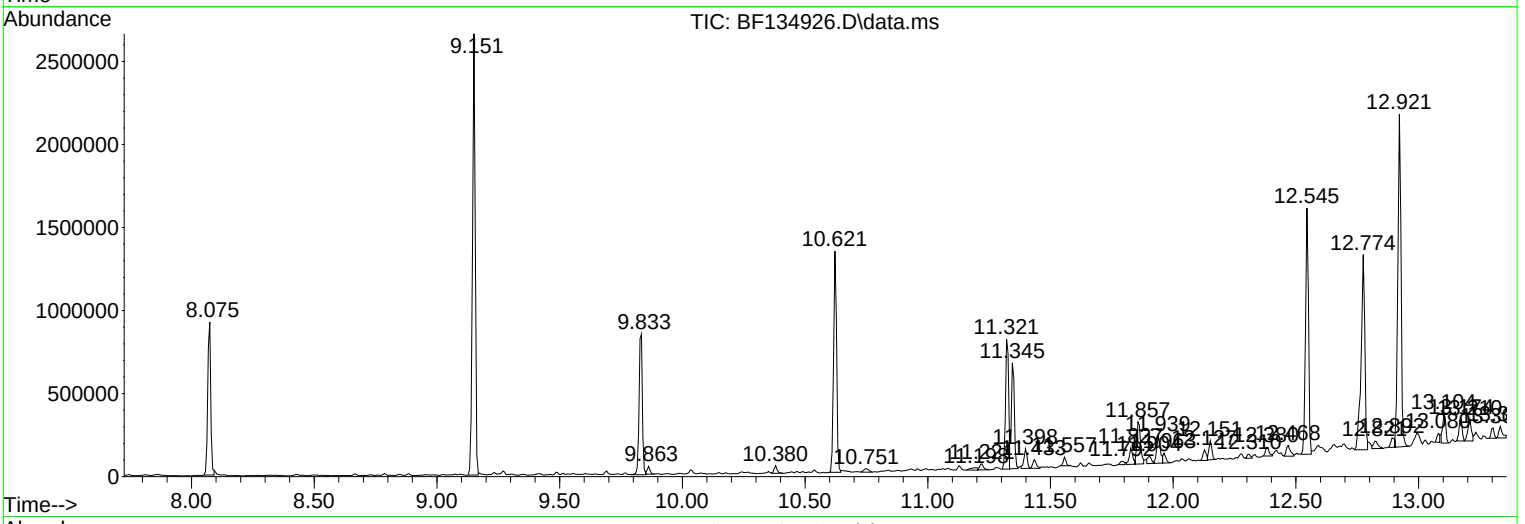
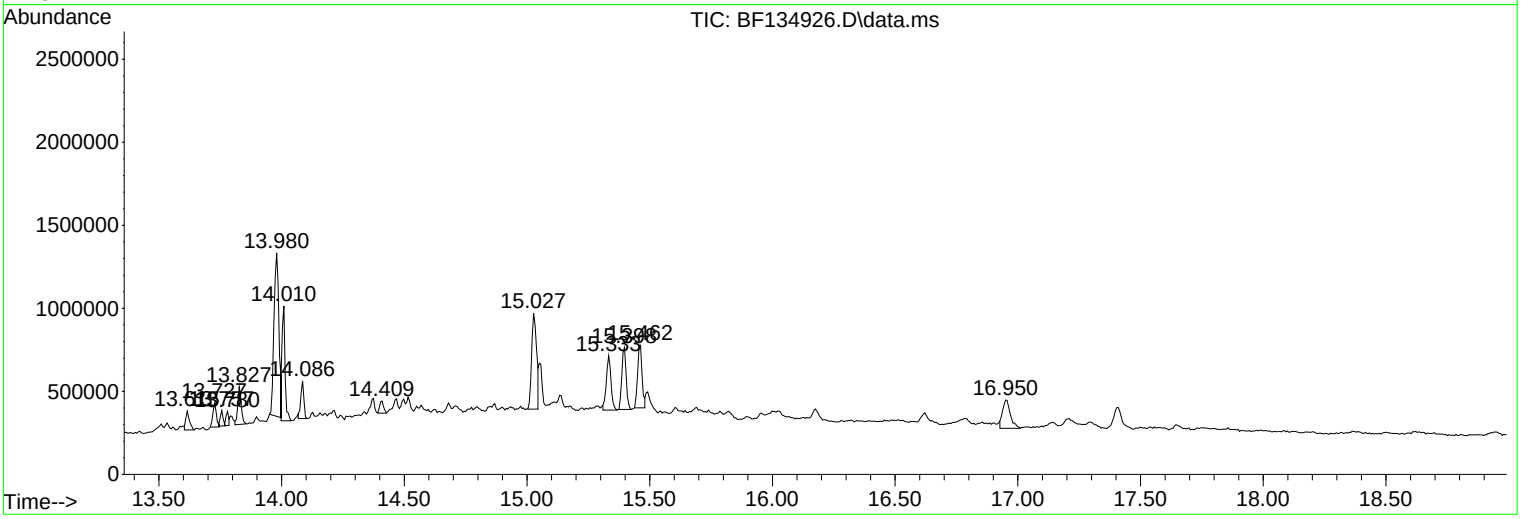
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134926.D
Acq On : 24 Aug 2023 16:13
Operator : CG\JU
Sample : 04082-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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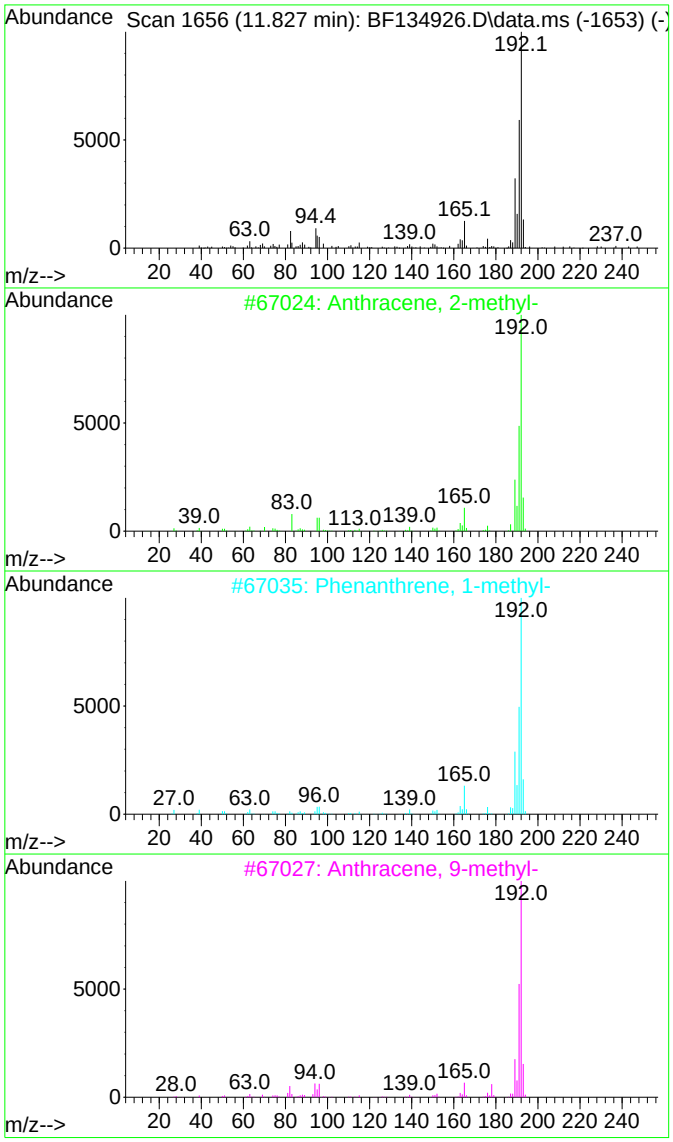
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

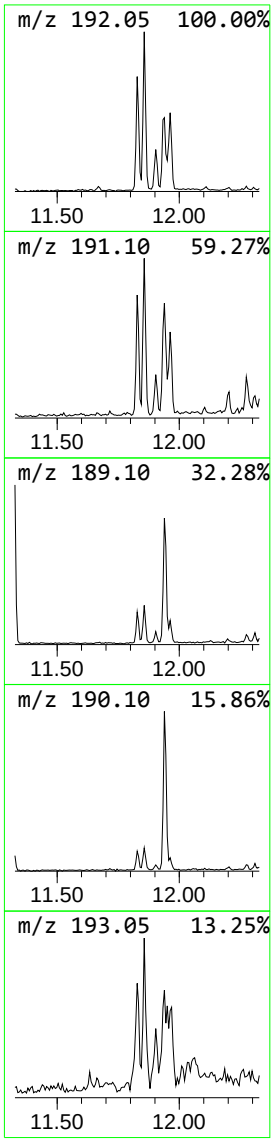
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.827	2.77 ng	96938	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134926.D
Acq On : 24 Aug 2023 16:13
Operator : CG\JU
Sample : 04082-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

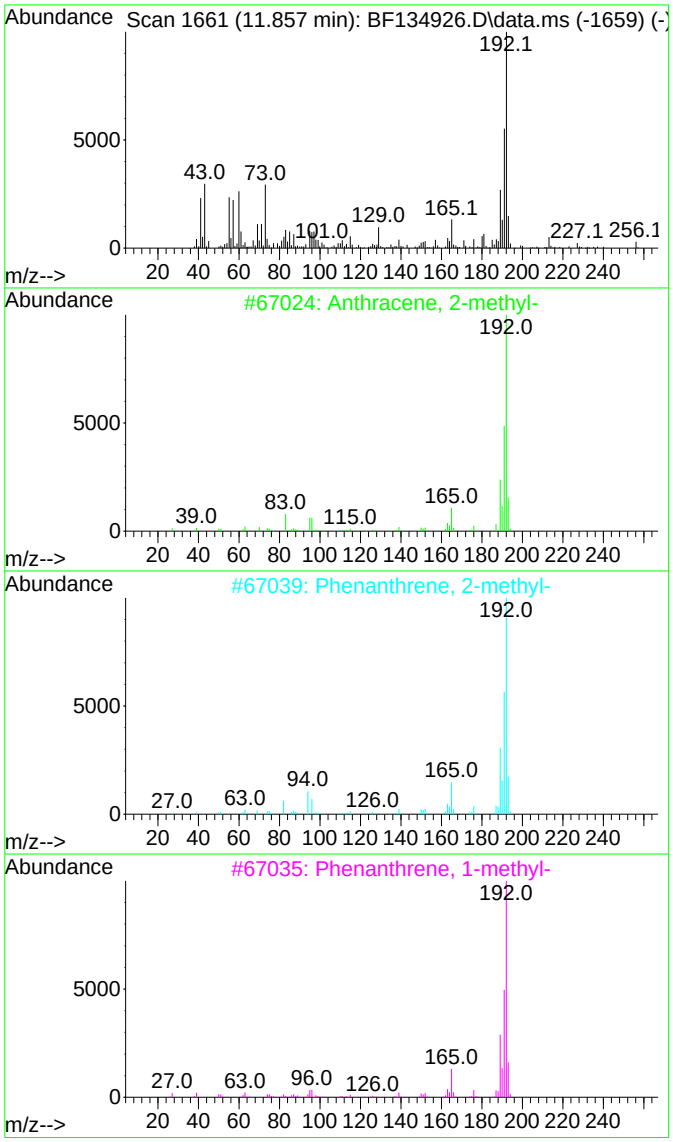
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

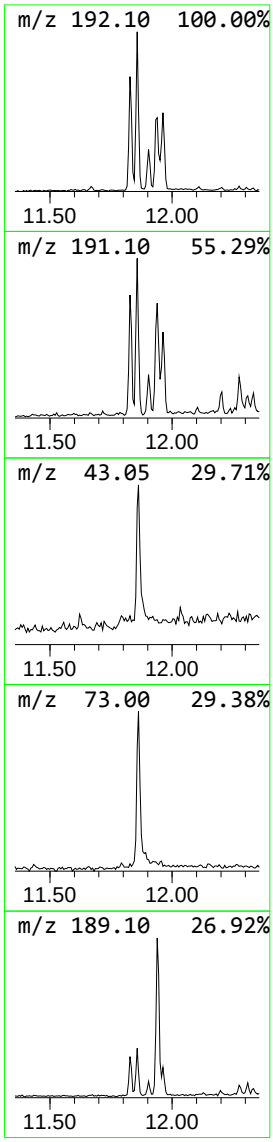
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	7.48 ng	261787	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134926.D
Acq On : 24 Aug 2023 16:13
Operator : CG\JU
Sample : 04082-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
362

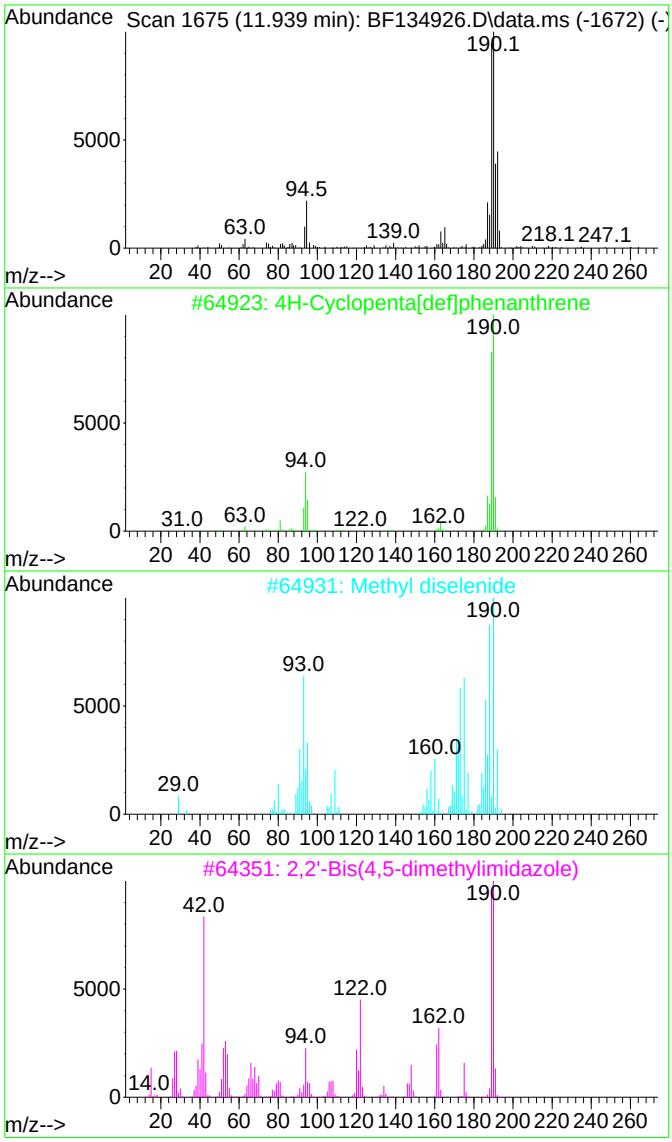
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

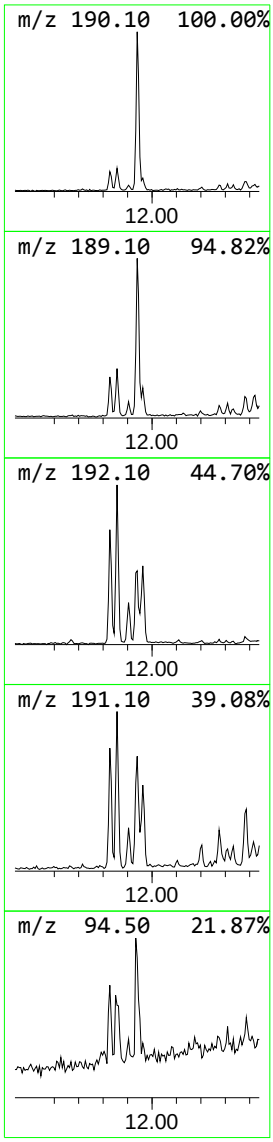
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	4.96 ng	173439	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Methyl diselenide	190	C2H6Se2	007101-31-7	43
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	35
5	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134926.D
Acq On : 24 Aug 2023 16:13
Operator : CG\JU
Sample : 04082-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
362

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

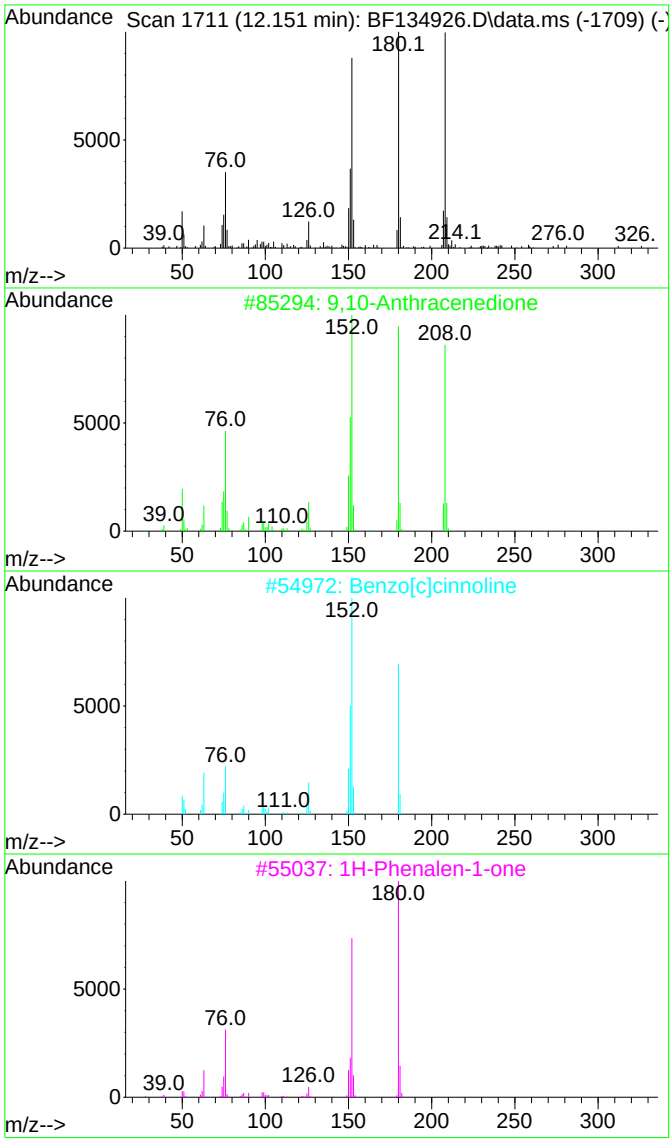
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

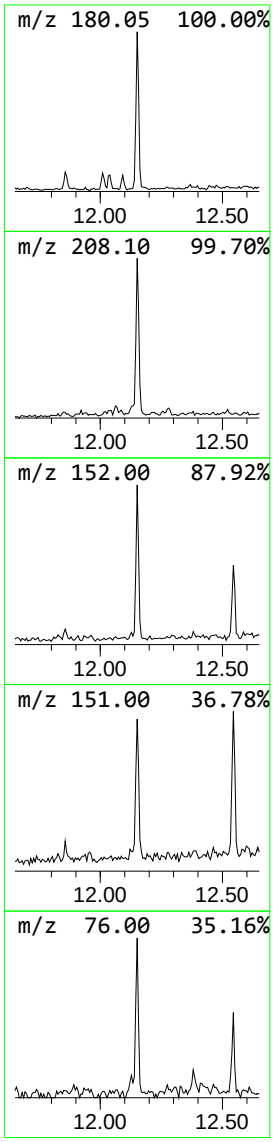
****

Peak Number 4 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.151	2.67 ng	93429	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





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Data File : BF134926.D
Acq On : 24 Aug 2023 16:13
Operator : CG\JU
Sample : 04082-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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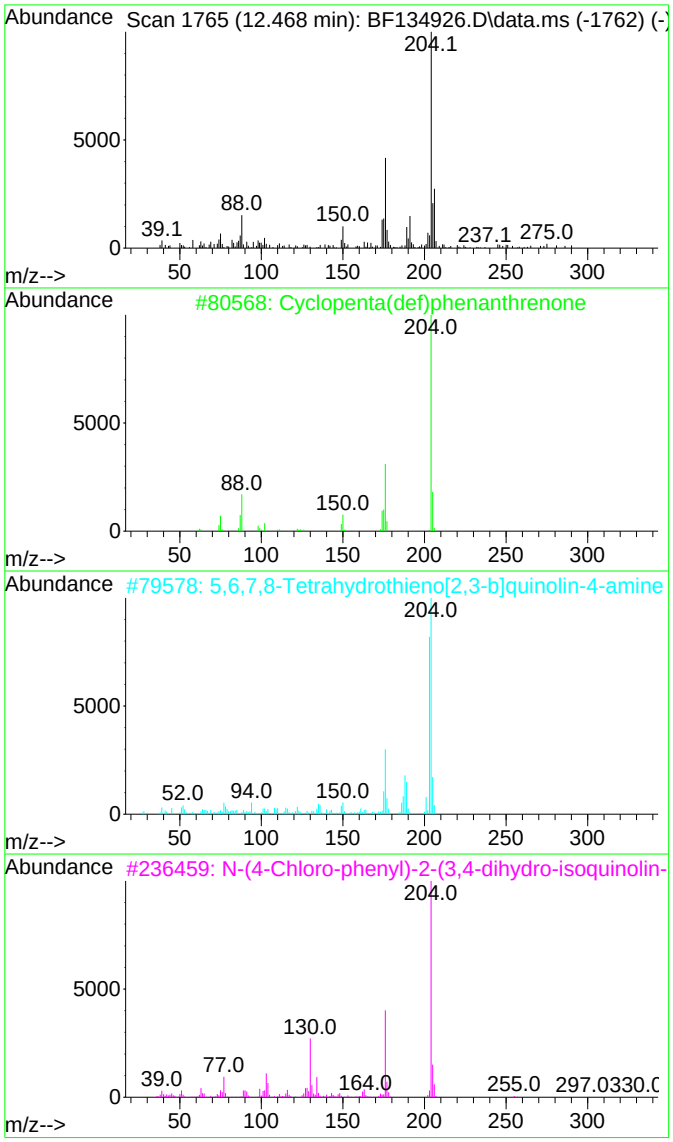
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

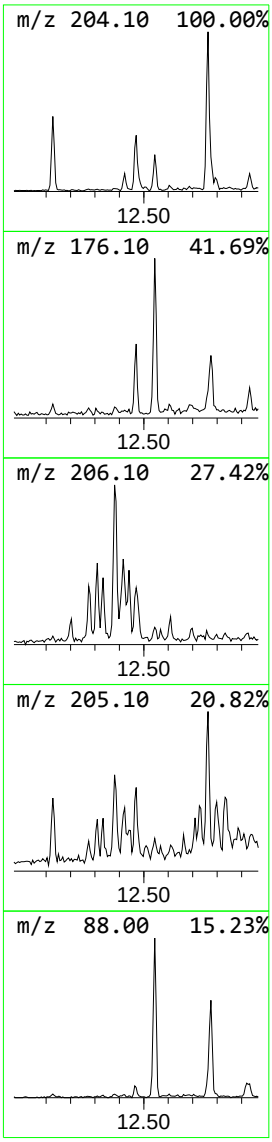
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.468	2.24 ng	78378	Phenanthrene-d10	11.321

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	52
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	50
4	.alpha.-L-6-Deoxymannopyranose, ...	452	C18H44O5Si4	055057-21-1	43
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43





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Data File : BF134926.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

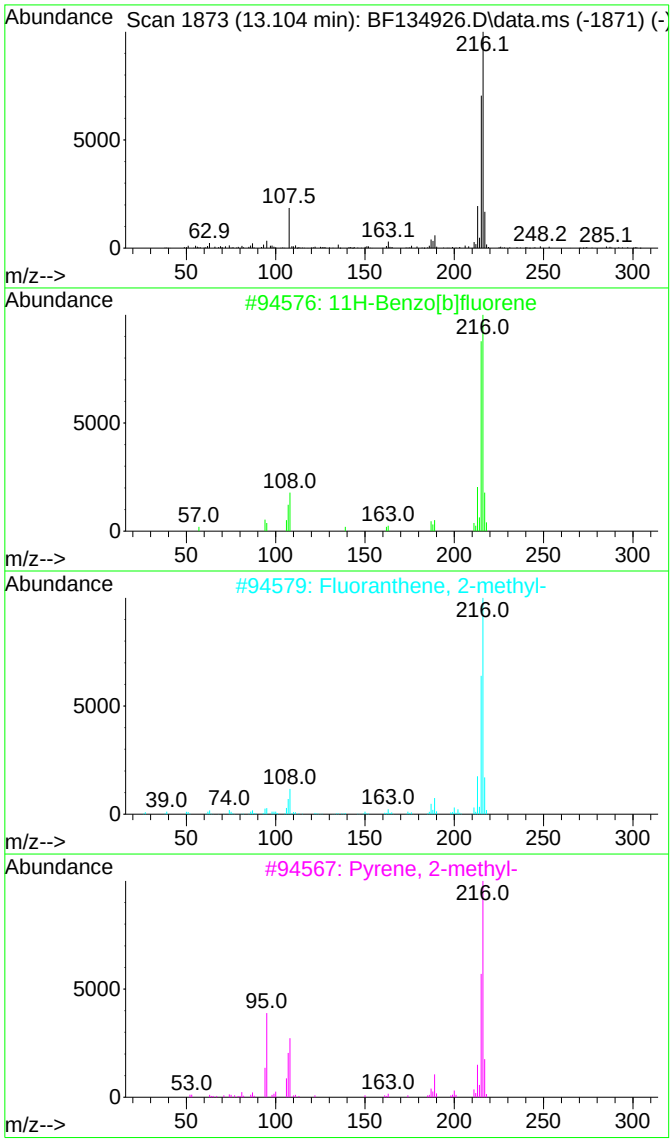
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

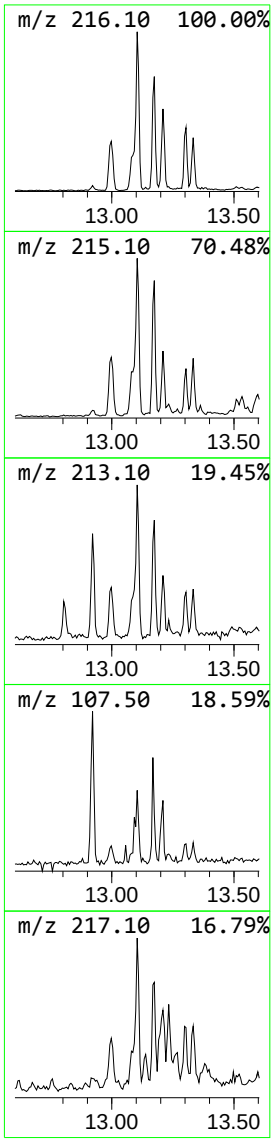
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.104	2.17 ng	151309	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134926.D
Acq On : 24 Aug 2023 16:13
Operator : CG\JU
Sample : 04082-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
362

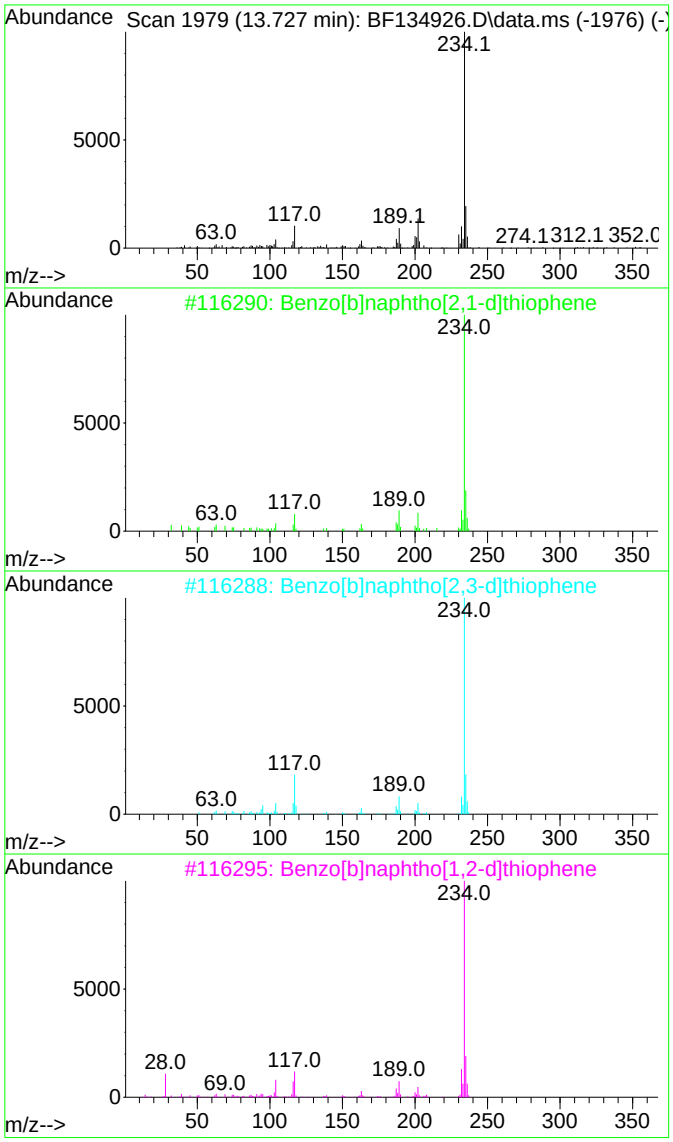
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

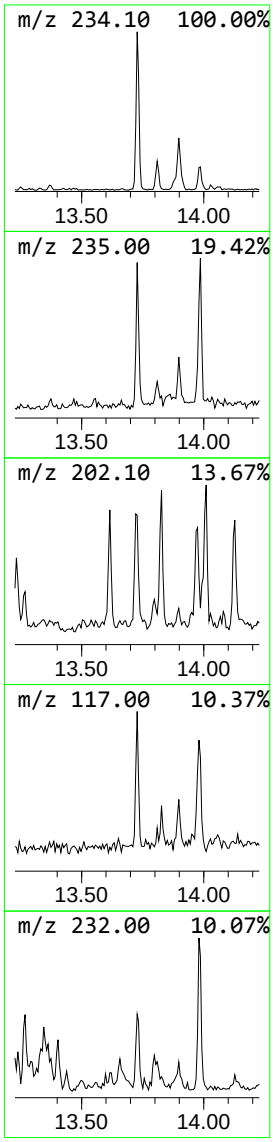
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.727	2.09 ng	145872	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	72
5	Cyclohexene, 1,2-diphenyl-	234	C18H18	041317-87-7	59





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Data File : BF134926.D
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Operator : CG\JU
Sample : 04082-09
Misc :
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Instrument :
BNA_F
ClientSampleId :
362

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.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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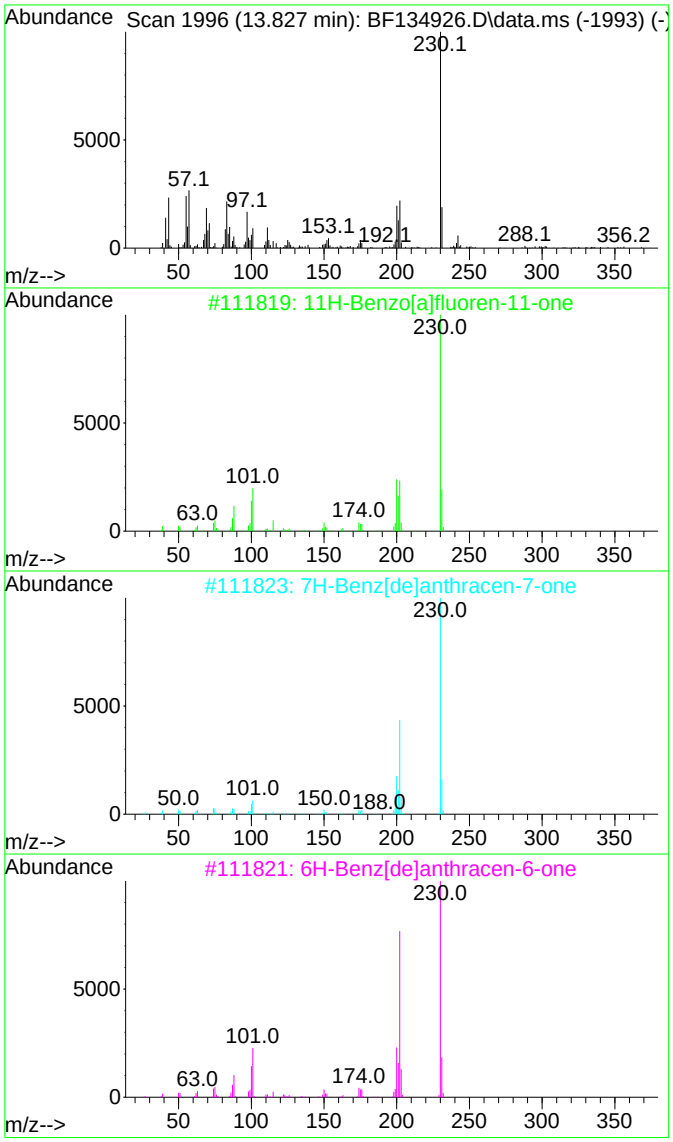
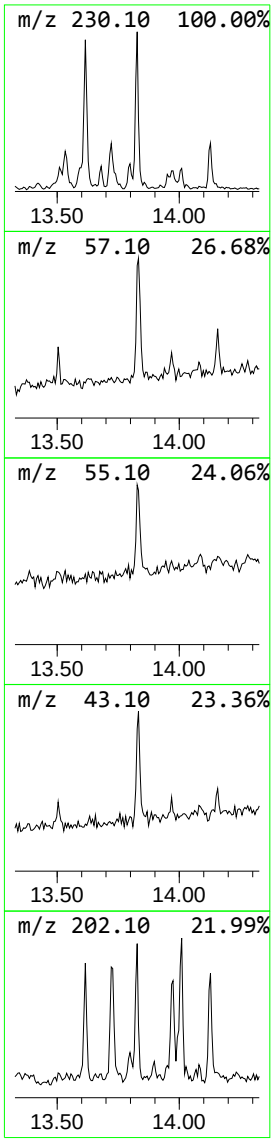
Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	3.18 ng	222019	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	53
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134926.D
Acq On : 24 Aug 2023 16:13
Operator : CG\JU
Sample : 04082-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
362

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
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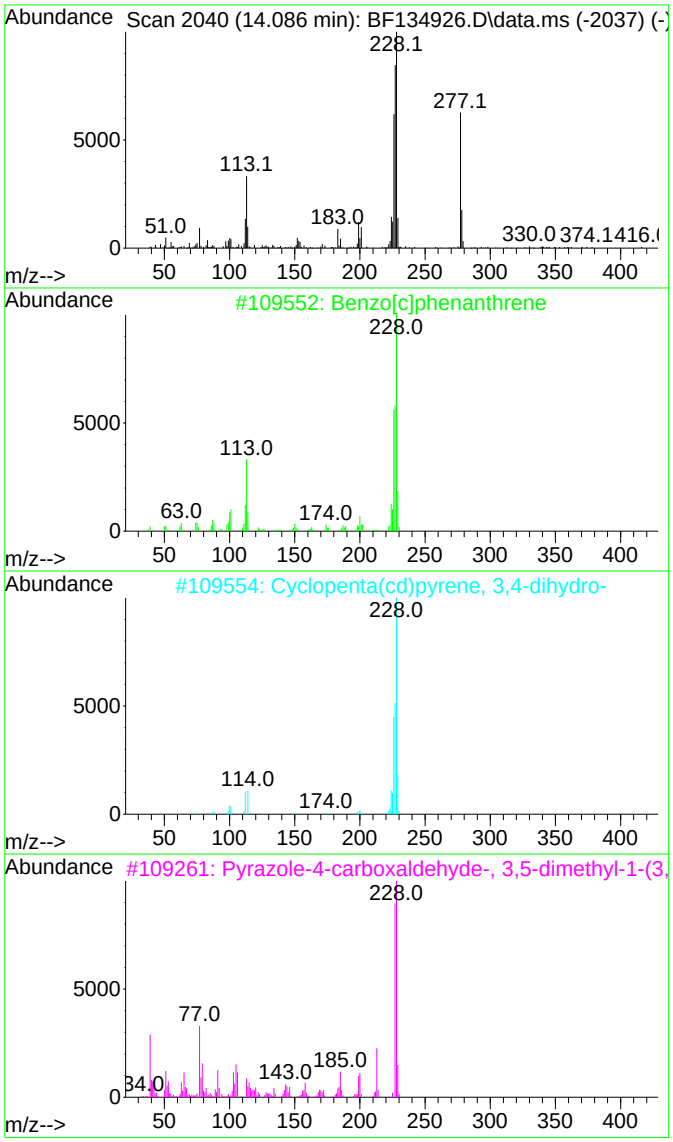
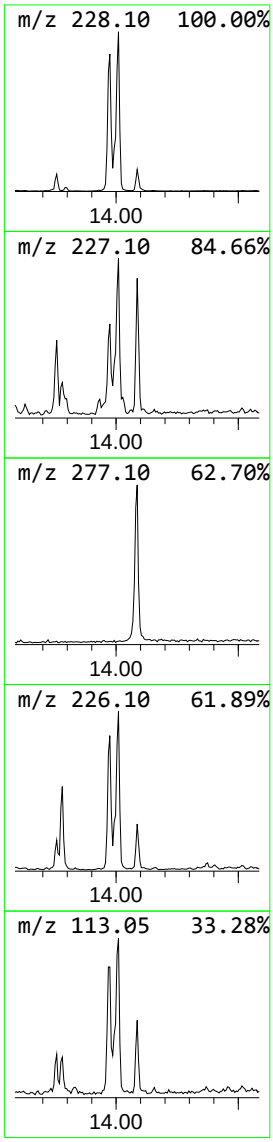
Peak Number 9 Benzo[c]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.086	2.73 ng	190170	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	46
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	43
5	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134926.D
Acq On : 24 Aug 2023 16:13
Operator : CG\JU
Sample : 04082-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
362

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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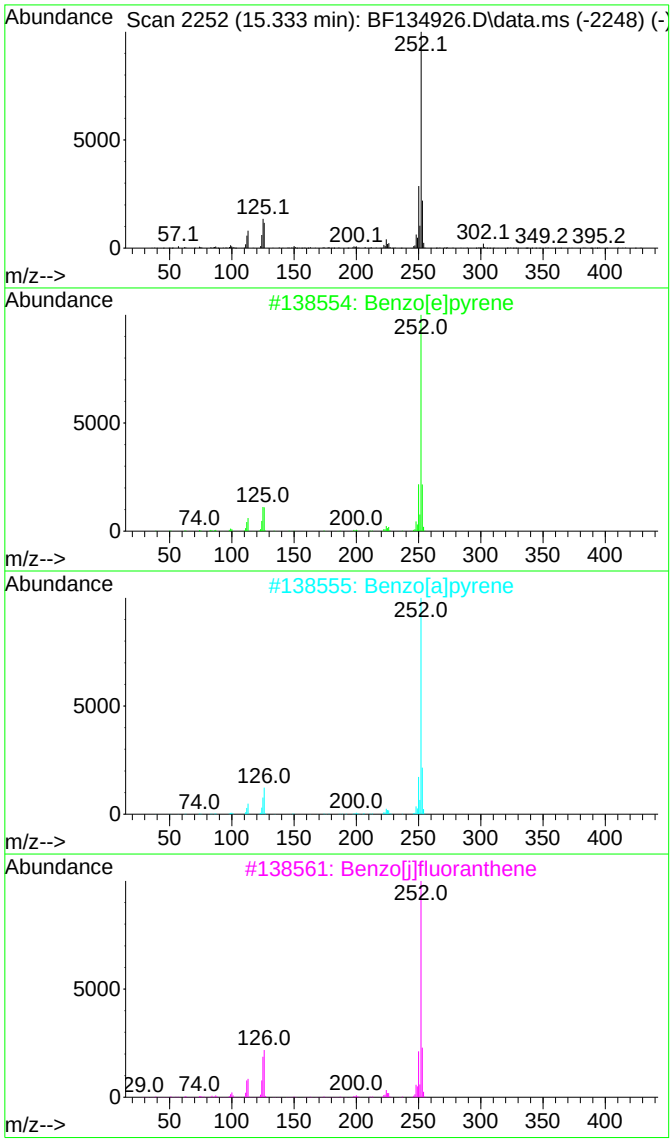
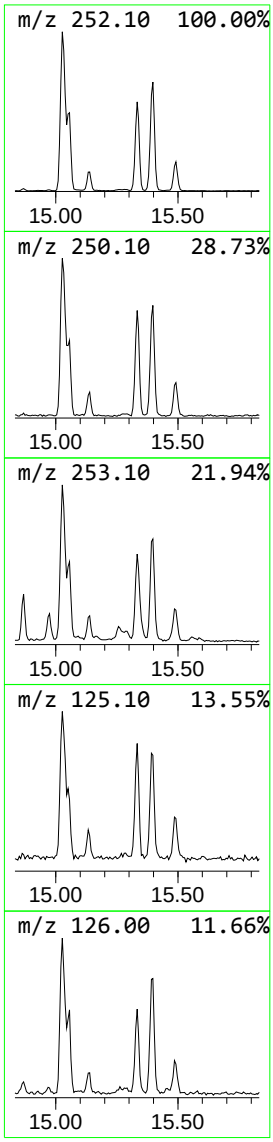
Peak Number 10 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.333	17.41 ng	419867	Perylene-d12	15.462

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134926.D
Acq On : 24 Aug 2023 16:13
Operator : CG\JU
Sample : 04082-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.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...	11.827	2.8	ng	96938	4	11.321	699898	20.0
Phenanthrene, 2...	11.857	7.5	ng	261787	4	11.321	699898	20.0
4H-Cyclopenta[d...	11.939	5.0	ng	173439	4	11.321	699898	20.0
9,10-Anthracene...	12.151	2.7	ng	93429	4	11.321	699898	20.0
Cyclopenta(def)...	12.468	2.2	ng	78378	4	11.321	699898	20.0
11H-Benzo[b]flu...	13.104	2.2	ng	151309	5	13.980	1394930	20.0
Benzo[b]naphtho...	13.727	2.1	ng	145872	5	13.980	1394930	20.0
11H-Benzo[a]flu...	13.827	3.2	ng	222019	5	13.980	1394930	20.0
Benzo[c]phenant...	14.086	2.7	ng	190170	5	13.980	1394930	20.0
Benzo[e]pyrene	15.333	17.4	ng	419867	6	15.462	482464	20.0