LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JPP-26.1-012825

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141520.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.416	559	565	585	rVB	1234025	1667046	16.17%	1.882%
2	6.434	732	738	755	rBV	1252356	1743480	16.91%	1.968%
3	6.792	794	799	806	rBV	347876	440542	4.27%	0.497%
4	7.351	888	894	899	rBV	836255	1082976	10.51%	1.223%
5	8.075	1010	1017	1025	rBV2	419391	638597	6.19%	0.721%
6	9.145	1194	1199	1208	rBV	1264812	1627727	15.79%	1.838%
7	9.486	1252	1257	1260	rBV	86388	124669	1.21%	0.141%
8	9.828	1307	1315	1318	rBV	465310	634798	6.16%	0.717%
9	9.857	1318	1320	1325	rVV	307734	357770	3.47%	0.404%
10	10.028	1345	1349	1353	rBV	130071	172313	1.67%	0.195%
11	10.069	1353	1356	1364	rVB	81883	112356	1.09%	0.127%
12	10.233	1379	1384	1392	rBV2	77048	177687	1.72%	0.201%
13	10.375	1403	1408	1413	rBV2	231152	315177	3.06%	0.356%
14	10.439	1413	1419	1422	rBV	107163	212698	2.06%	0.240%
15	10.539	1431	1436	1440	rVB2	218698	350547	3.40%	0.396%
16	10.616	1440	1449	1454	rBV	862351	1193297	11.58%	1.347%
17	10.739	1465	1470	1476	rVB3	128460	205438	1.99%	0.232%
18	10.922	1495	1501	1504	rBV3	143357	267600	2.60%	0.302%
19	11.057	1518	1524	1525	rBV2	135656	207274	2.01%	0.234%
20	11.122	1532	1535	1539	rVB2	162749	194433	1.89%	0.219%
21	11.169	1539	1543	1547	rVV3	174391	309173	3.00%	0.349%
22	11.216	1547	1551	1557	rVB	185925	283816	2.75%	0.320%
23	11.345	1563	1573	1578	rBV	3030550	4877271	47.31%	5.506%
24	11.392	1578	1581	1585	rVV	911123	1200793	11.65%	1.356%
25	11.427	1585	1587	1593	rVB2	97457	125849	1.22%	0.142%
26	11.551	1603	1608	1610	rBV2	115242	181624	1.76%	0.205%
27	11.610	1615	1618	1622	rVV	206474	284202	2.76%	0.321%
28	11.651	1622	1625	1630	rVB4	130435	174631	1.69%	0.197%
29	11.822	1649	1654	1656	rVV	652844	866663	8.41%	0.978%
30	11.851	1656	1659	1663	rVV	988043	1204201	11.68%	1.359%
31	11.898	1663	1667	1669	rVV	392386	481840	4.67%	0.544%
32	11.933	1669	1673	1681	rVB	1229159	2315266	22.46%	2.614%
33	12.022	1681	1688	1691	rBV5	94857	216394	2.10%	0.244%
34	12.116	1700	1704	1707	rBV	526757	667243	6.47%	0.753%
35	12.145	1707	1709	1713	rVB	302223	345193	3.35%	0.390%
36	12.192	1713	1717	1723	rVB2	87716	114052	1.11%	0.129%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JPP-26.1-012825

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.263	1724	1729	1732	rBV	259794	400820	3.89%	0.452%
38	12.298	1732	1735	1737	rBV	108554	110797	1.07%	0.125%
39	12.374	1743	1748	1751	rBV	543732	853322	8.28%	0.963%
40	12.410	1751	1754	1760	rVV3	393775	662969	6.43%	0.748%
41	12.469	1760	1764	1770	rVB2	548618	787249	7.64%	0.889%
42	12.551	1770	1778	1783	rBV	5418254	9112126	88.39%	10.287%
43	12.686	1796	1801	1805	rBV2	356587	530927	5.15%	0.599%
44	12.780	1810	1817	1822	rBV	5355241	10308713	100.00%	11.637%
45	12.910	1830	1839	1846	rVB3	997438	2227444	21.61%	2.515%
46	12.986	1846	1852	1859	rBV3	636746	1273176	12.35%	1.437%
47	13.092	1859	1870	1874	rVV2	813460	1855307	18.00%	2.094%
48	13.163	1878	1882	1884	rVV2	437567	589855	5.72%	0.666%
49	13.198	1884	1888	1896	rVV3	823866	1605720	15.58%	1.813%
50	13.292	1900	1904	1906	rVV	429317	547190	5.31%	0.618%
51	13.321	1906	1909	1917	rVB2	449597	678213	6.58%	0.766%
52	13.516	1932	1942	1945	rBV3	205906	628348	6.10%	0.709%
53	13.604	1950	1957	1962	rBV	542376	912171	8.85%	1.030%
54	13.716	1971	1976	1978	rBV	602038	867052	8.41%	0.979%
55	13.745	1978	1981	1983	rVV	568865	818683	7.94%	0.924%
56	13.768	1983	1985	1990	rVV2	538938	916660	8.89%	1.035%
57	13.816	1990	1993	1999	rVB	547067	735101	7.13%	0.830%
58	13.968	2011	2019	2022	rBV	2836796	5472600	53.09%	6.178%
59	14.004	2022	2025	2031	rVB	2634371	3666058	35.56%	4.139%
60	14.080	2034	2038	2042	rVB	434589	575793	5.59%	0.650%
61	14.192	2054	2057	2060	rVB3	171361	222612	2.16%	0.251%
62	14.357	2081	2085	2088	rVV	483868	620922	6.02%	0.701%
63	14.386	2088	2090	2094	rVB	257781	300252	2.91%	0.339%
64	14.445	2095	2100	2104	rBV3	210655	415813	4.03%	0.469%
65	14.480	2104	2106	2108	rBV	176770	198438	1.92%	0.224%
66	14.668	2134	2138	2140	rBV	186426	266050	2.58%	0.300%
67	14.845	2165	2168	2175	rVB2	197014	299332	2.90%	0.338%
68	15.021	2190	2198	2206	rBV	2106177	5331594	51.72%	6.019%
69	15.115	2210	2214	2218	rVB	394609	505349	4.90%	0.570%
70	15.315	2242	2248	2253	rVB	1084021	1868134	18.12%	2.109%
71	15.380	2253	2259	2264	rVV	1715802	2729703	26.48%	3.082%
72	15.433	2264	2268	2269	rVV2	159062	206148	2.00%	0.233%
73	15.463	2270	2273	2280	rVB2	583661	948764	9.20%	1.071%
74	16.892	2509	2516	2523	rVB2	775640	1709182	16.58%	1.929%
75	17.333	2583	2591	2605	rVB	571731	1449347	14.06%	1.636%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

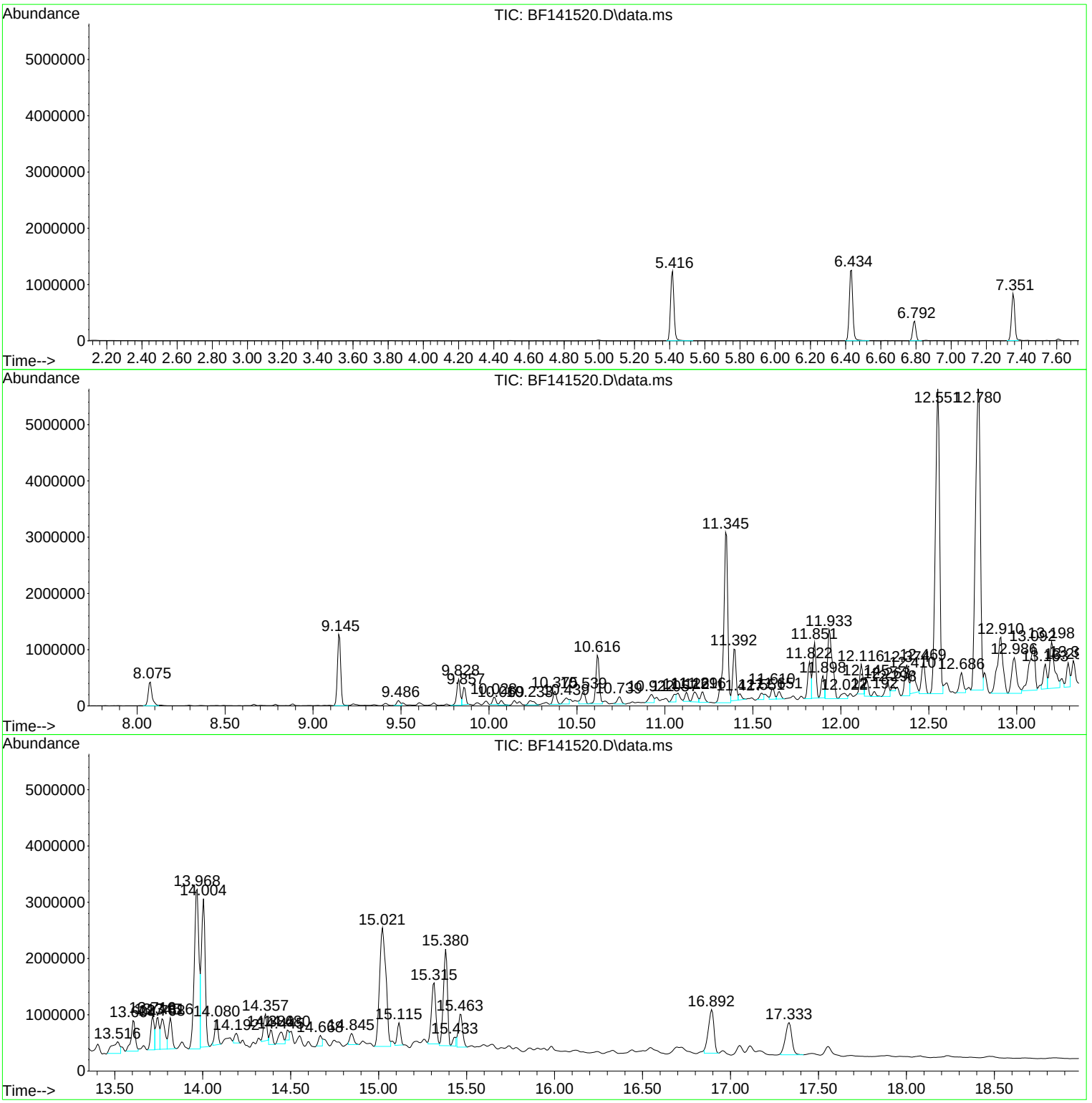
Sum of corrected areas: 88582570

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

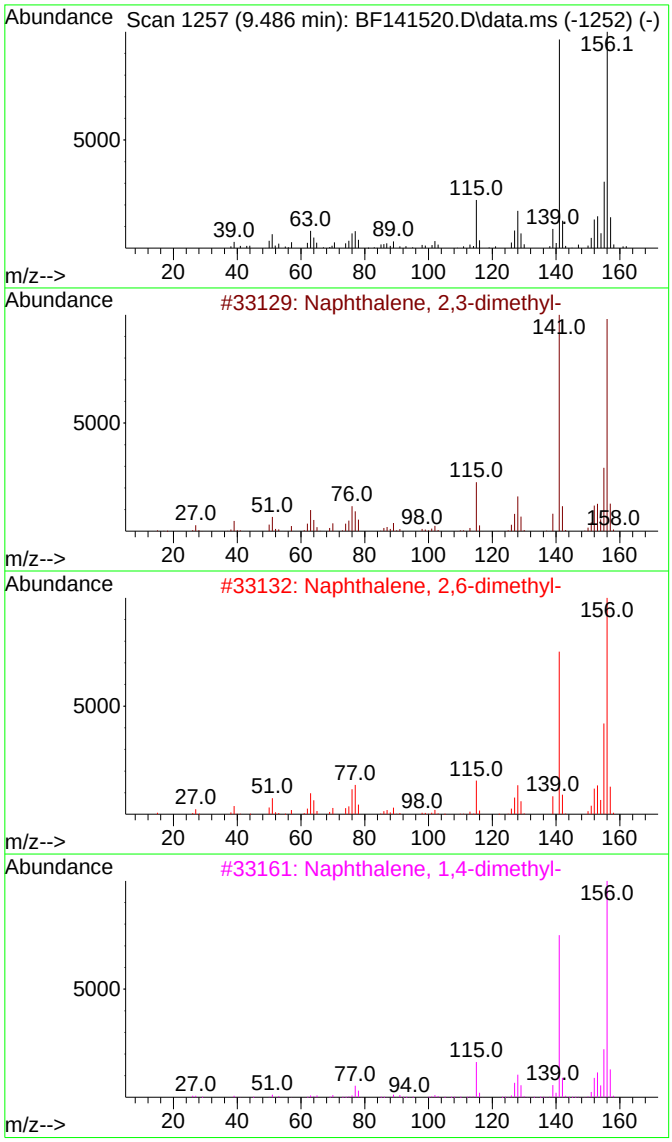
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

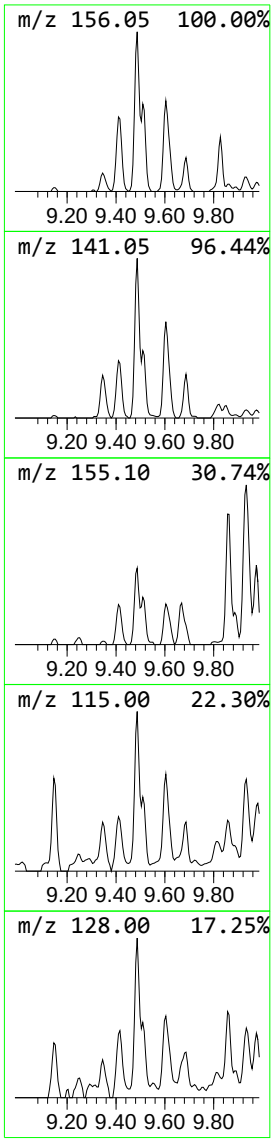
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.486	3.93 ng	124669	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

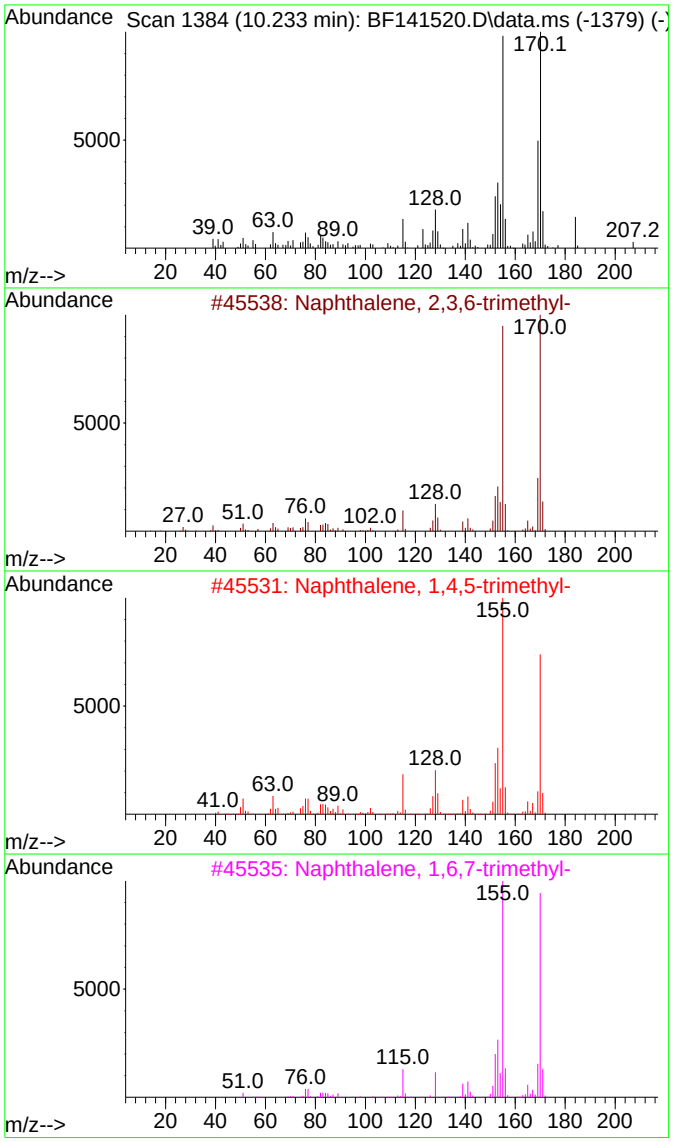
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

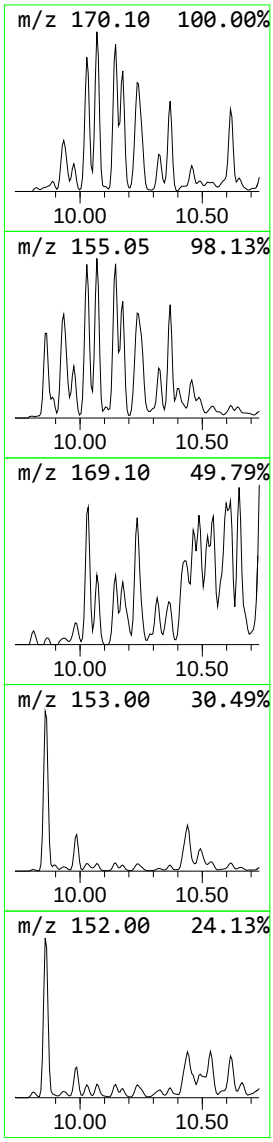
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 2,3,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.233	5.60 ng	177687	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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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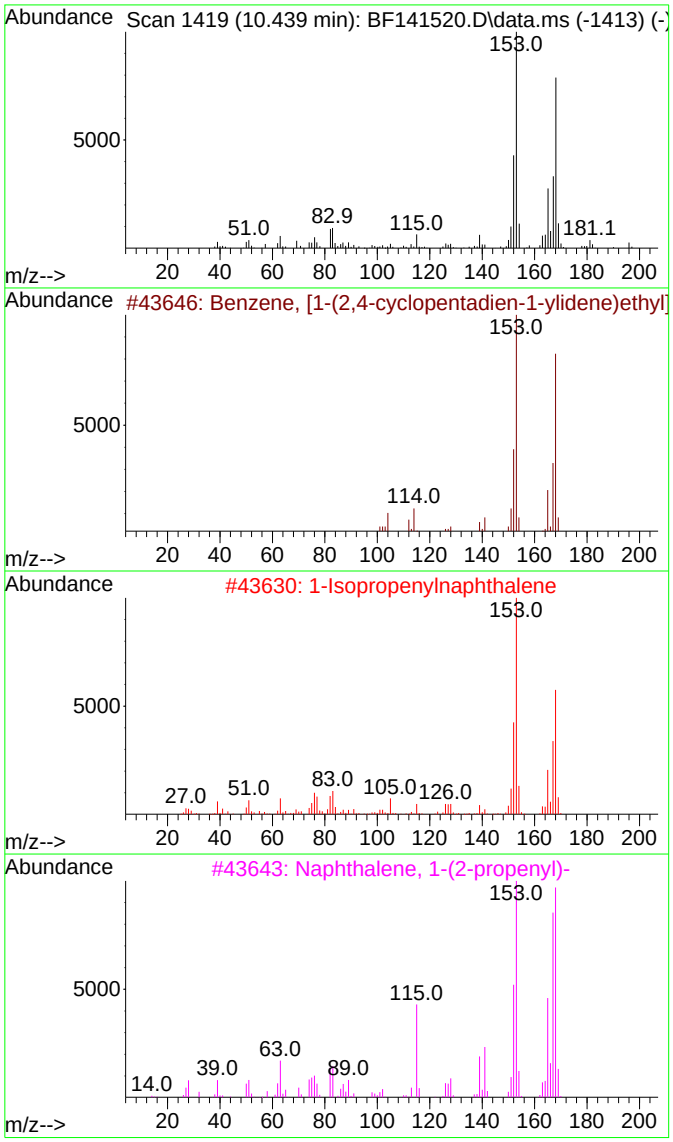
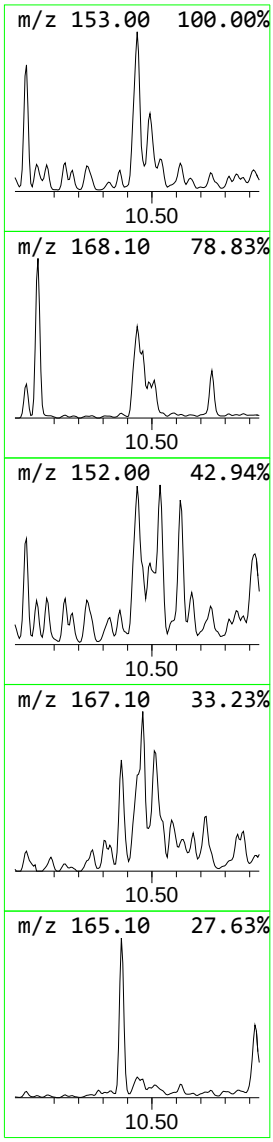
Peak Number 3 Benzene, [1-(2,4-cyclopenta... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.439	6.70 ng	212698	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
5	4-Methylthio-2,6-xylenol	168	C9H12OS	007379-49-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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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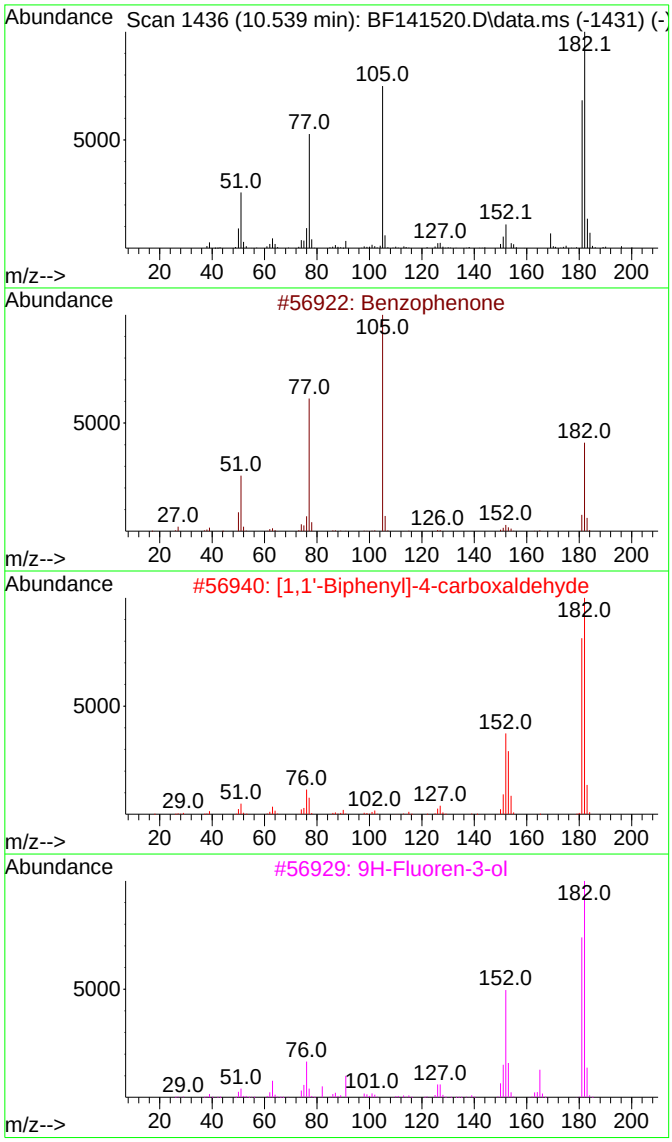
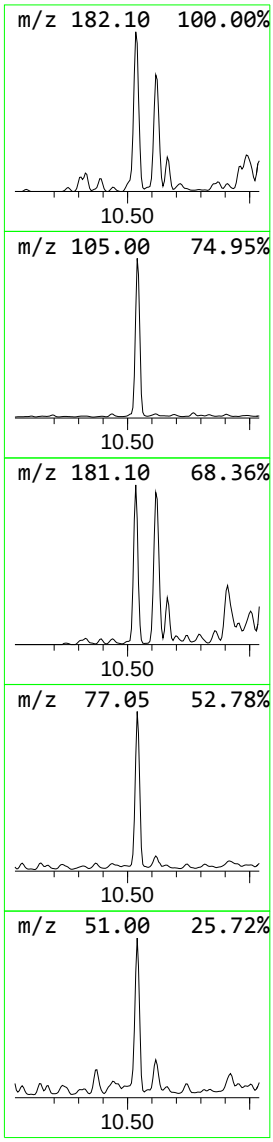
Peak Number 4 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	11.04 ng	350547	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	81
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	49
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	49
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	47
5	1-(Difluoromethyl)-6-methylpyrro...	182	C9H8F2N2	1000411-14-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

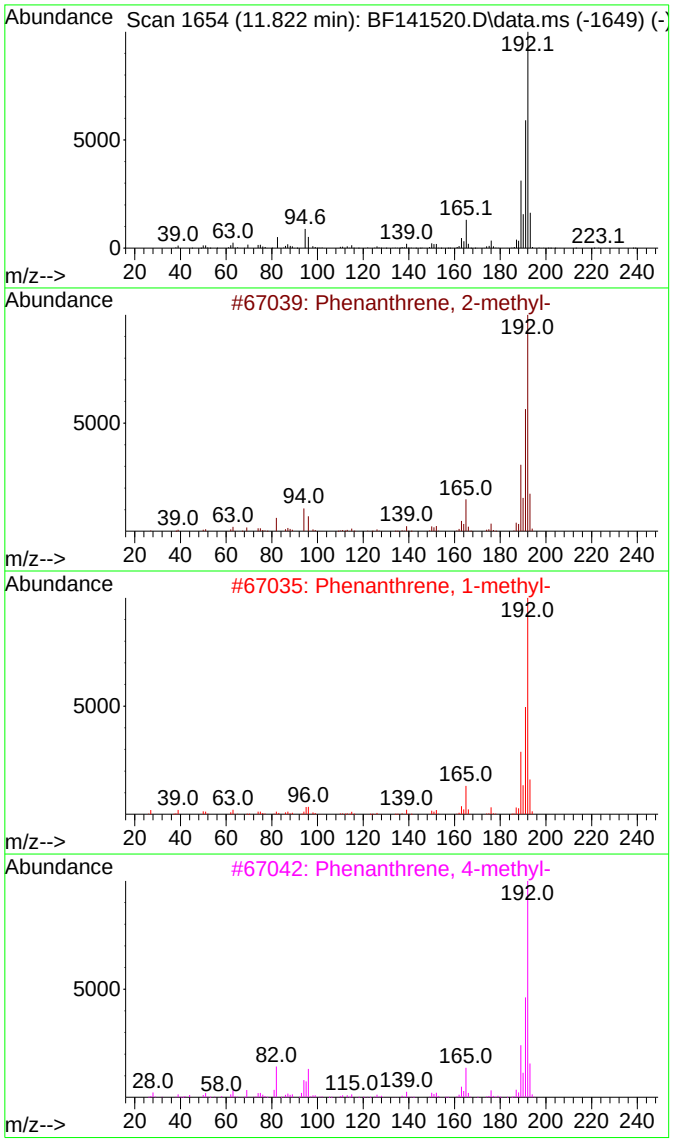
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

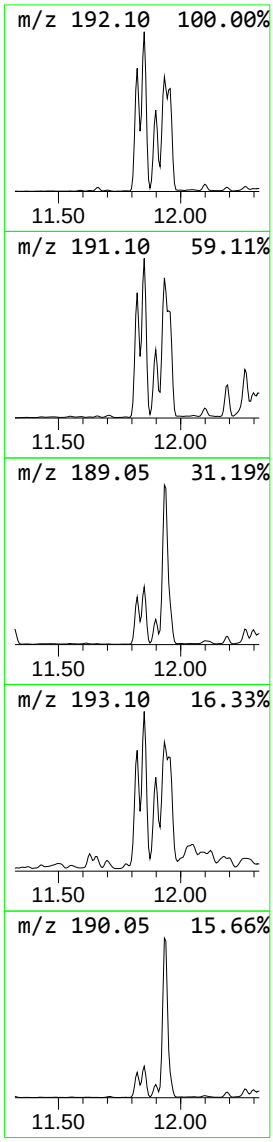
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.822	3.55 ng	866663	Phenanthrene-d10	11.316

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

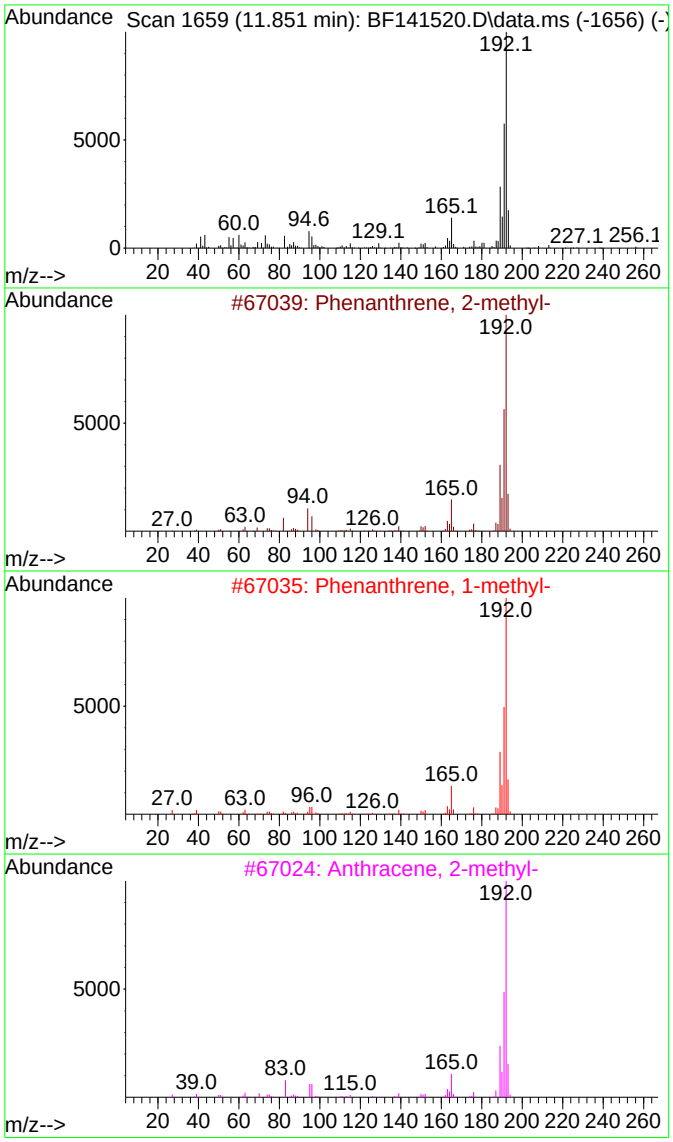
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

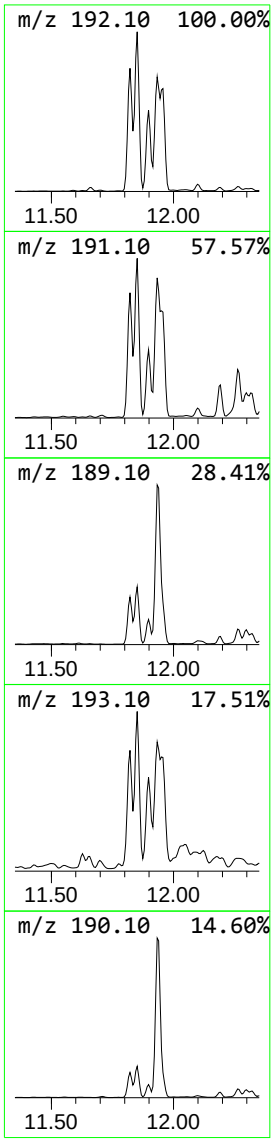
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	4.94 ng	1204200	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-26.1-012825

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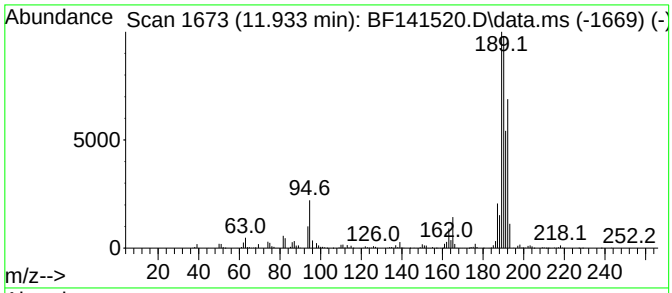
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

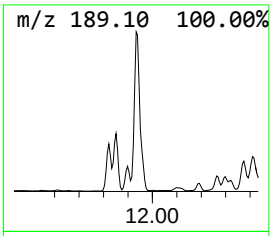
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

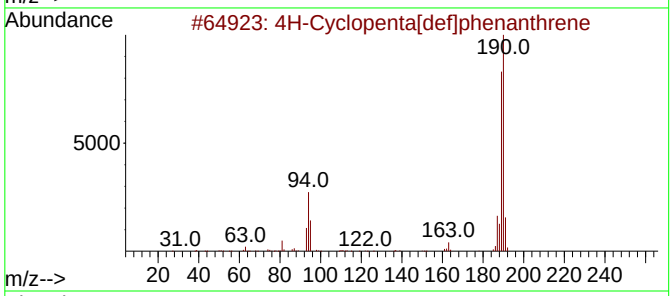
****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

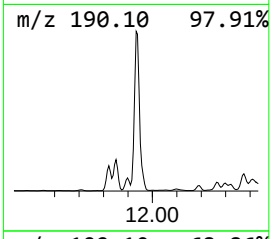
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	9.49 ng	2315270	Phenanthrene-d10	11.316

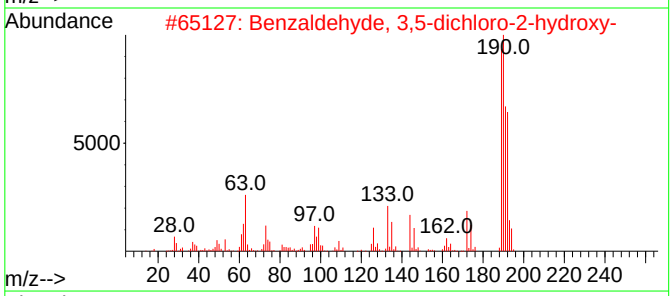
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	50
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30

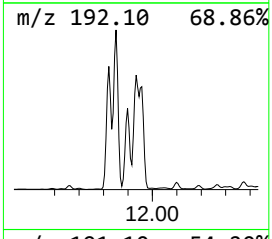


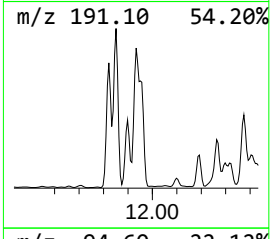


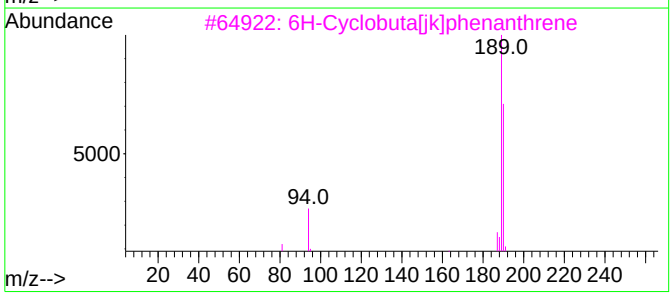


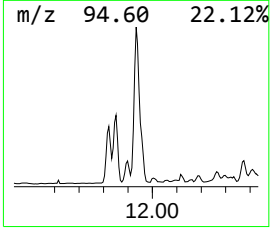












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Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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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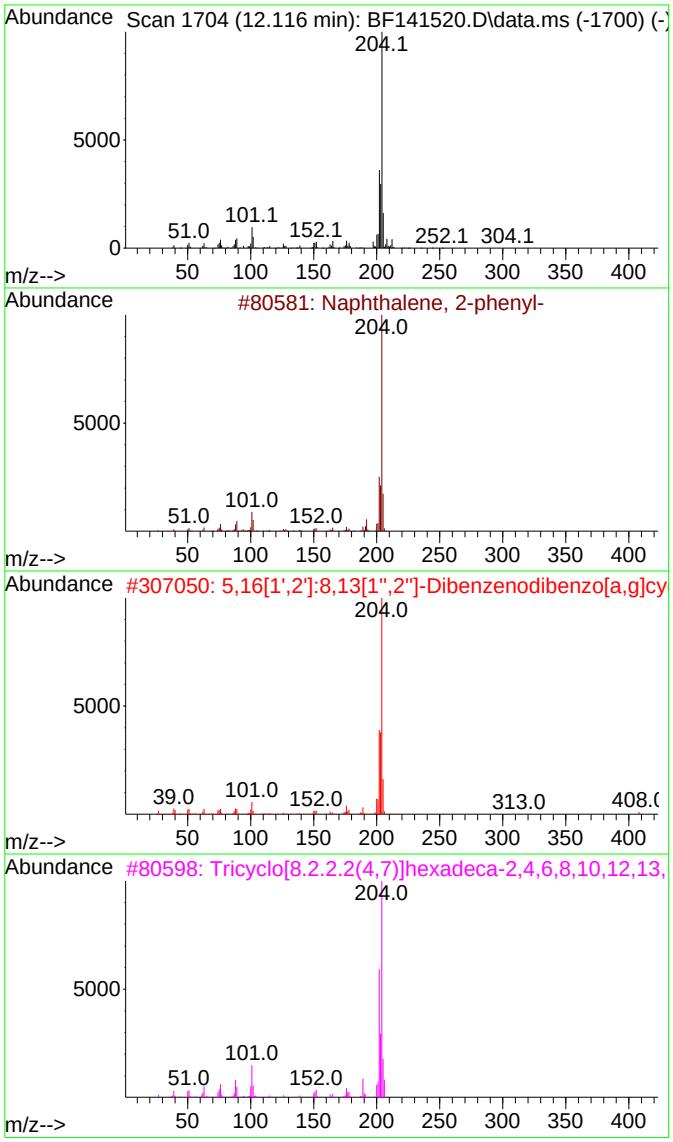
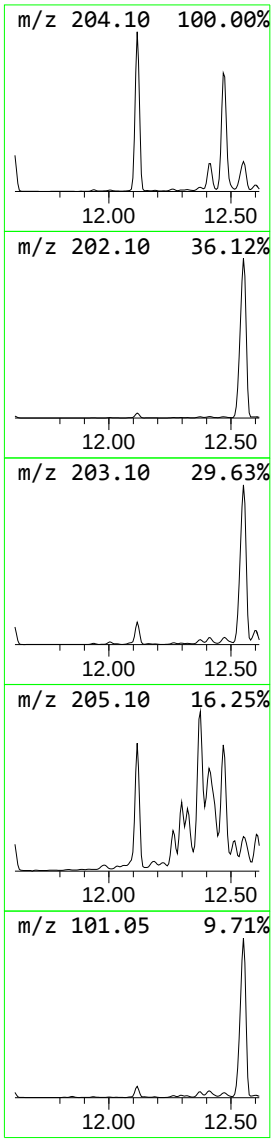
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	2.74 ng	667243	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	52





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ClientSampleId :
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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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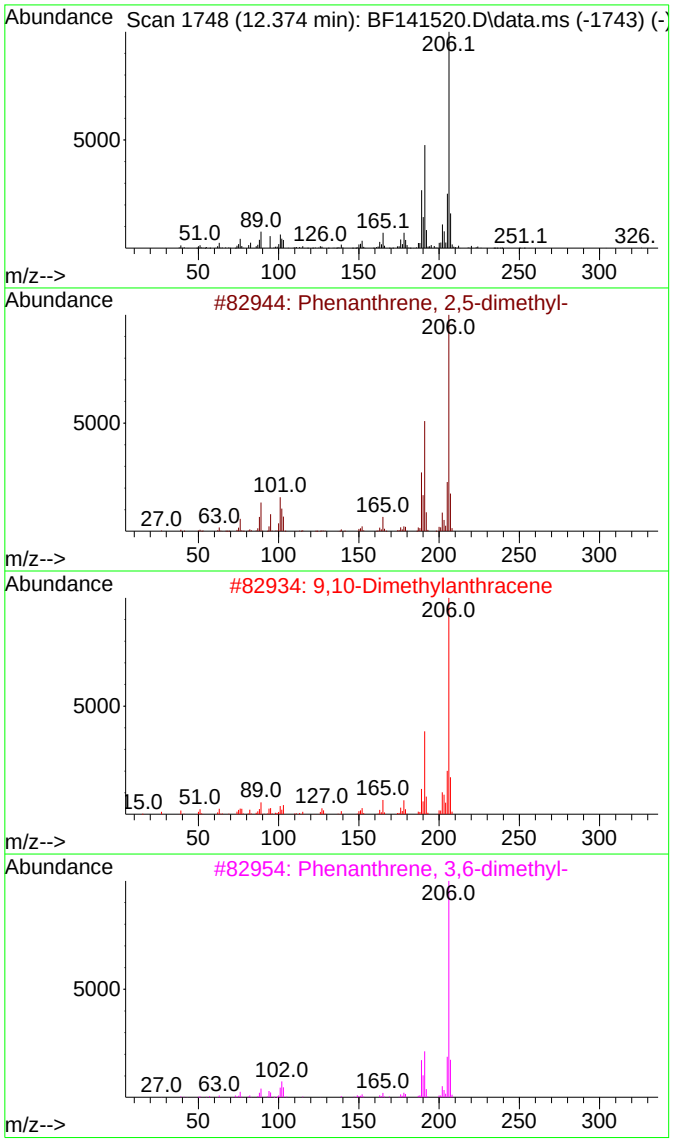
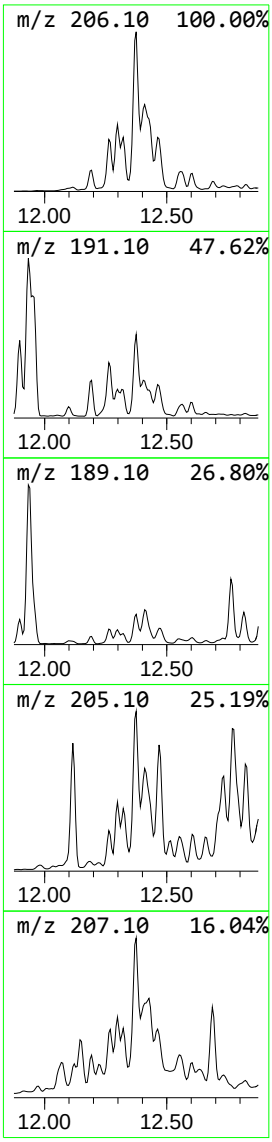
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.374	3.50 ng	853322	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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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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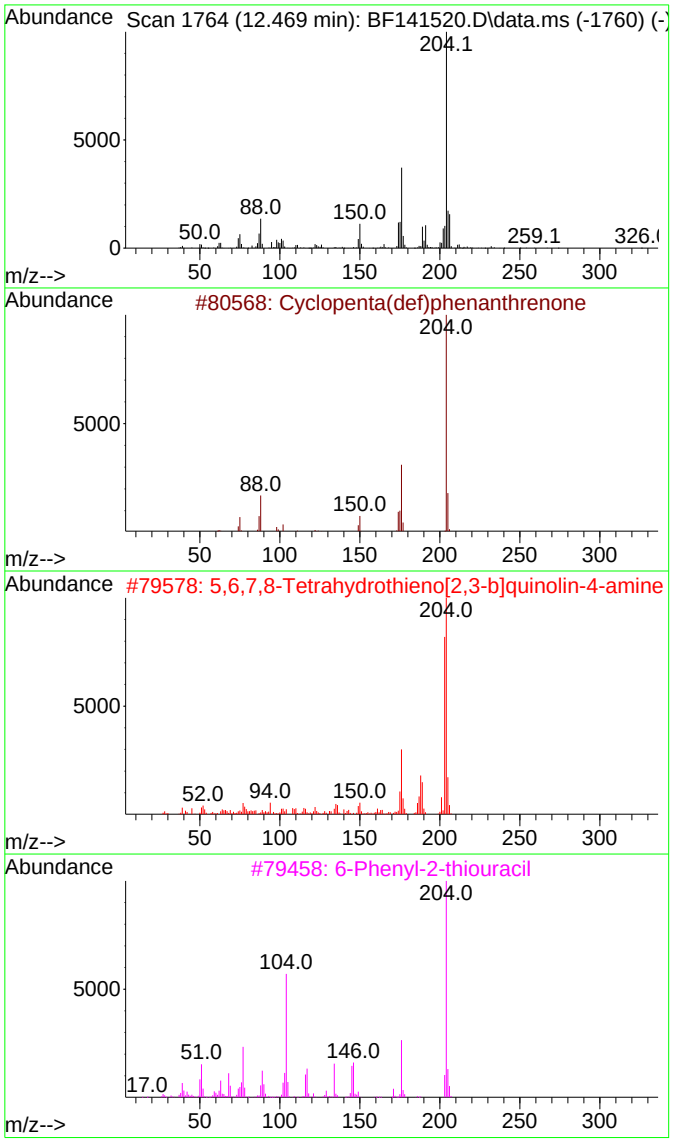
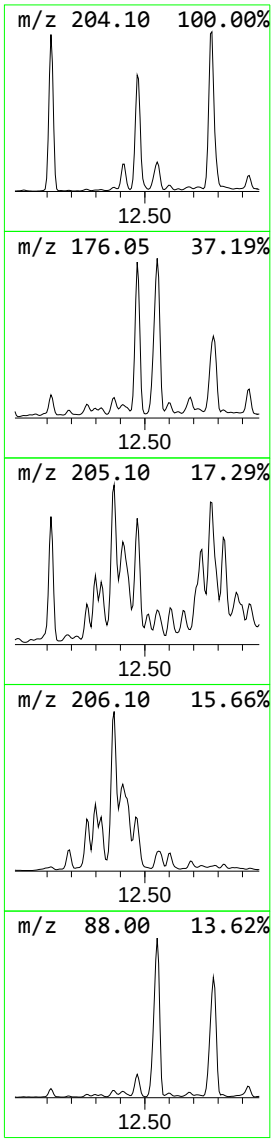
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	3.23 ng	787249	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49





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ClientSampleId :
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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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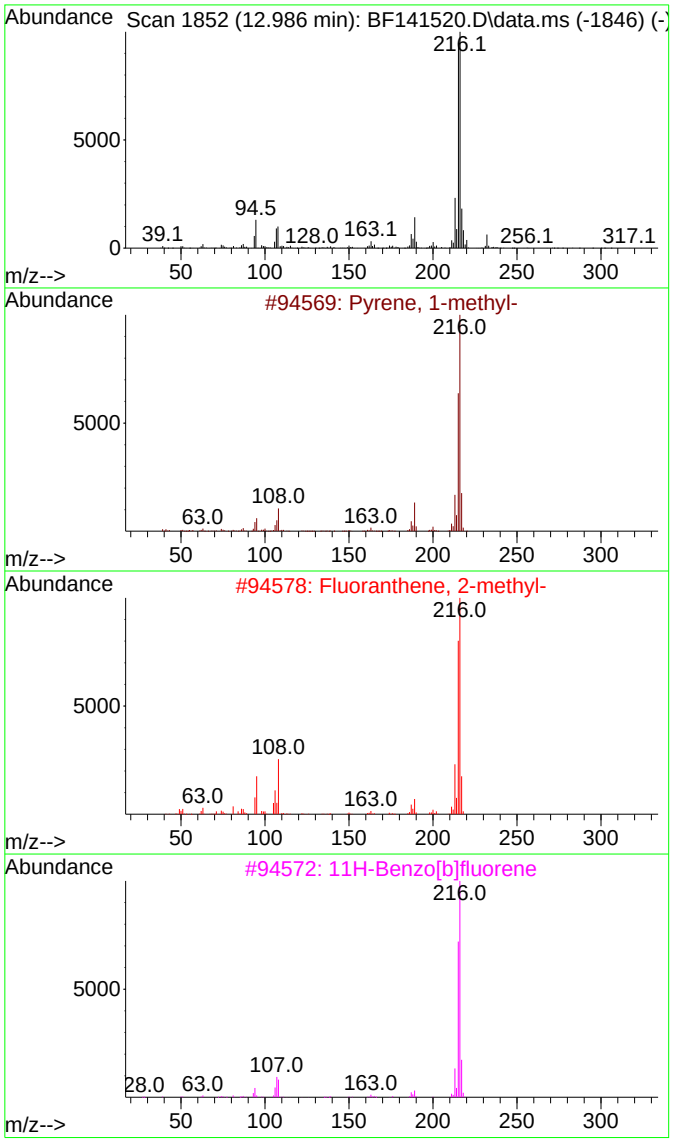
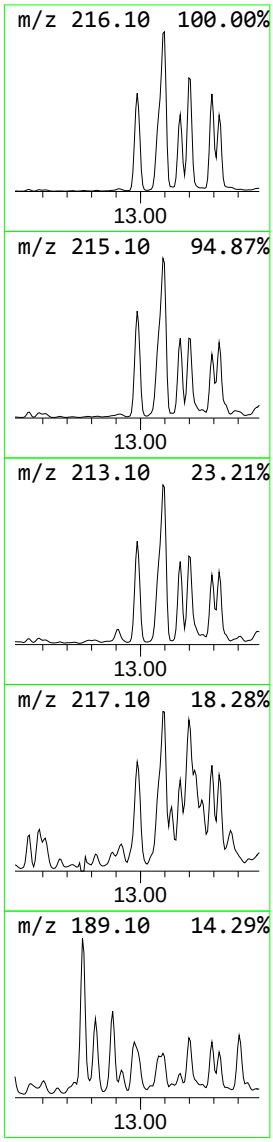
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.986	4.65 ng	1273180	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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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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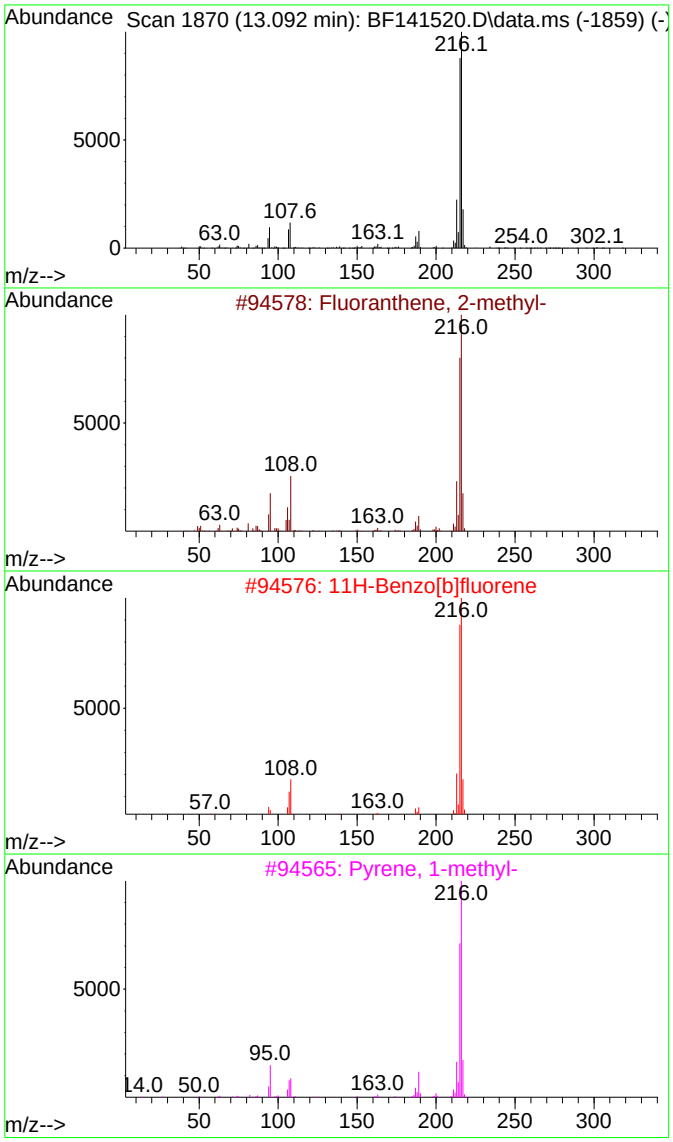
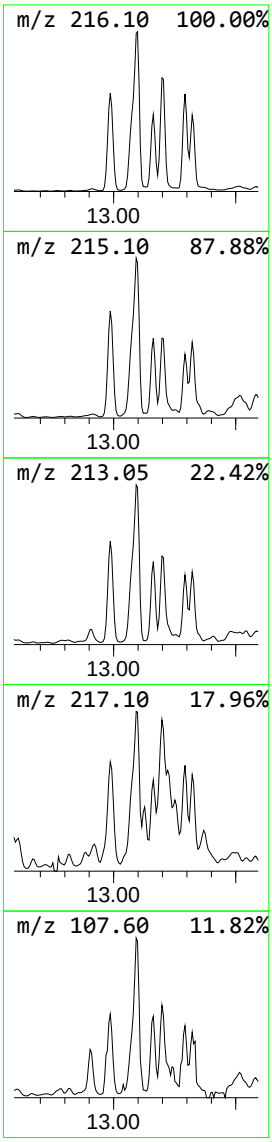
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.092	6.78 ng	1855310	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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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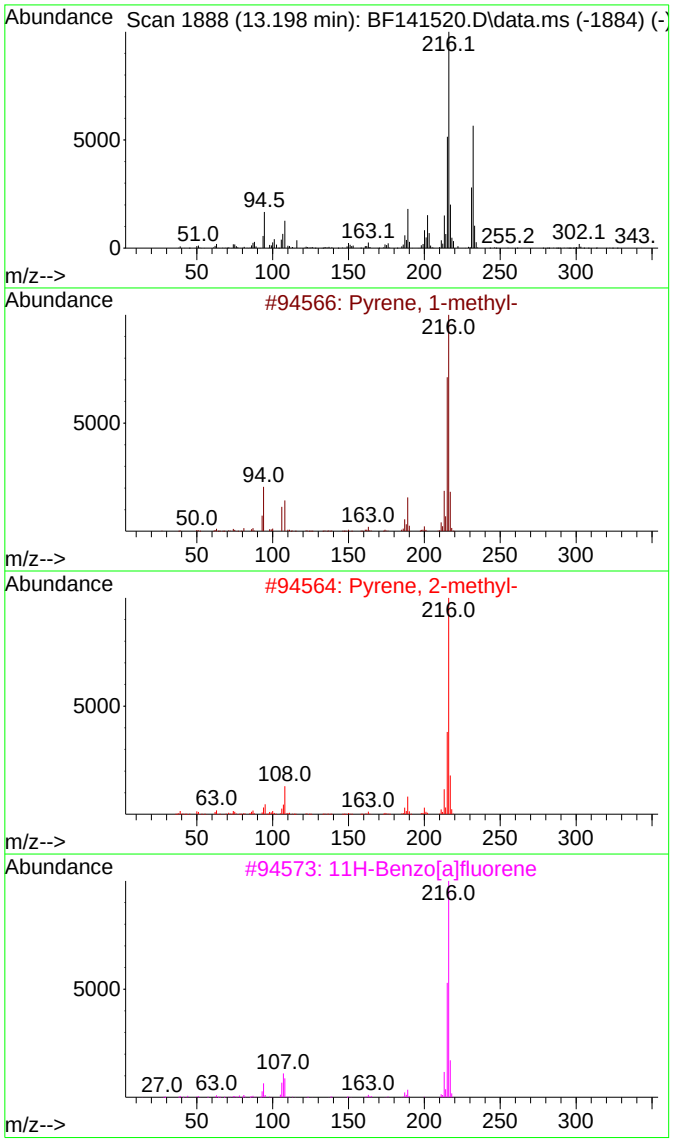
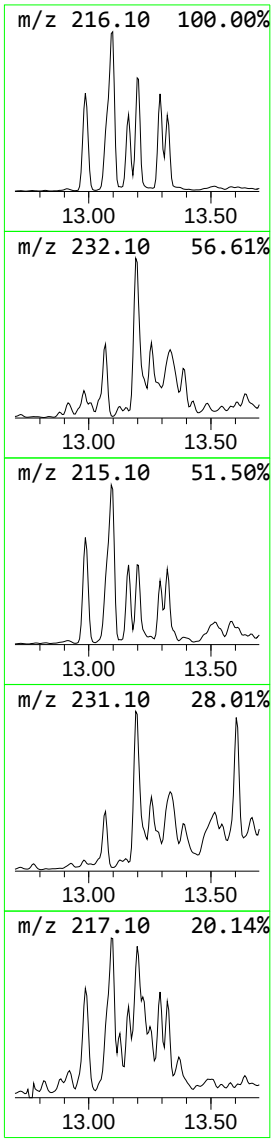
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.198	5.87 ng	1605720	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	46





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Sample : Q1216-15
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

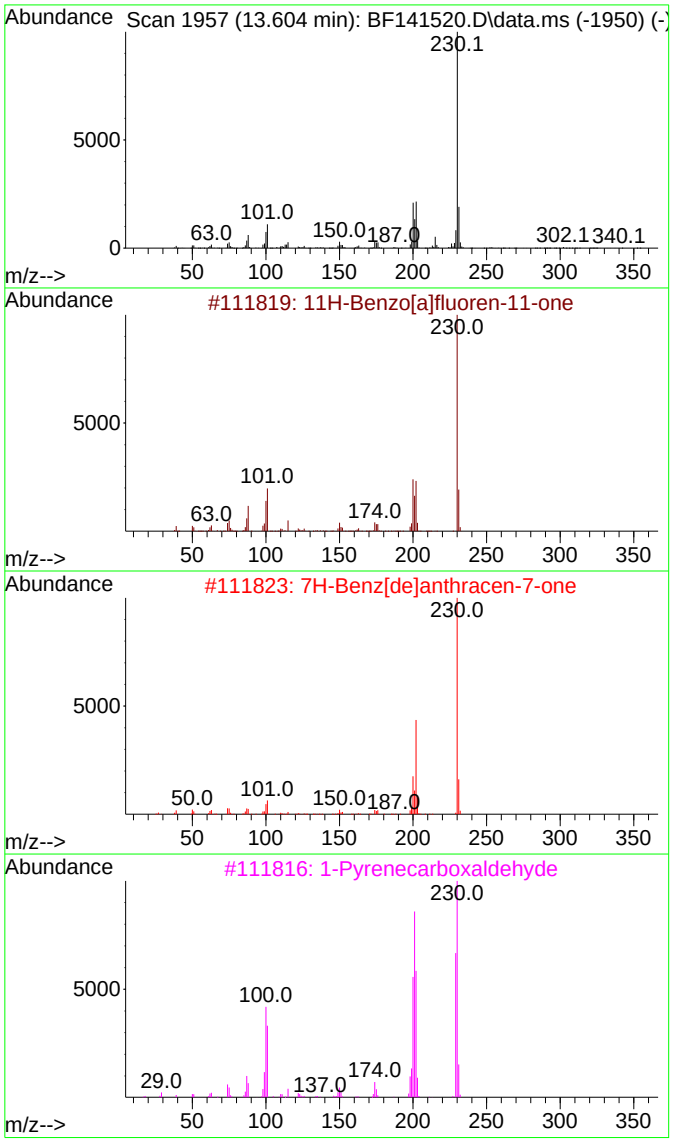
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

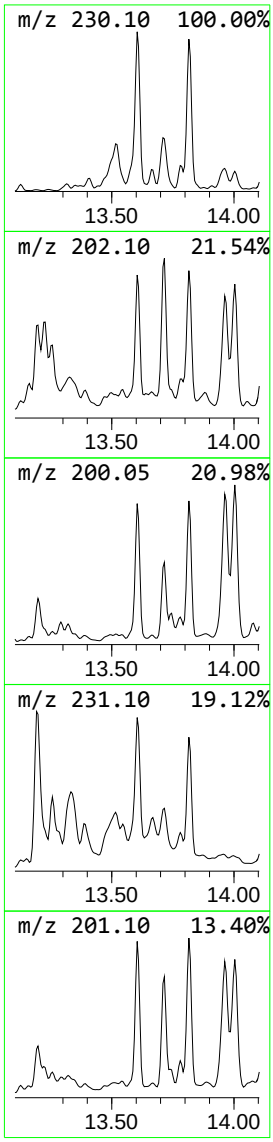
****

Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.604	3.33 ng	912171	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	64
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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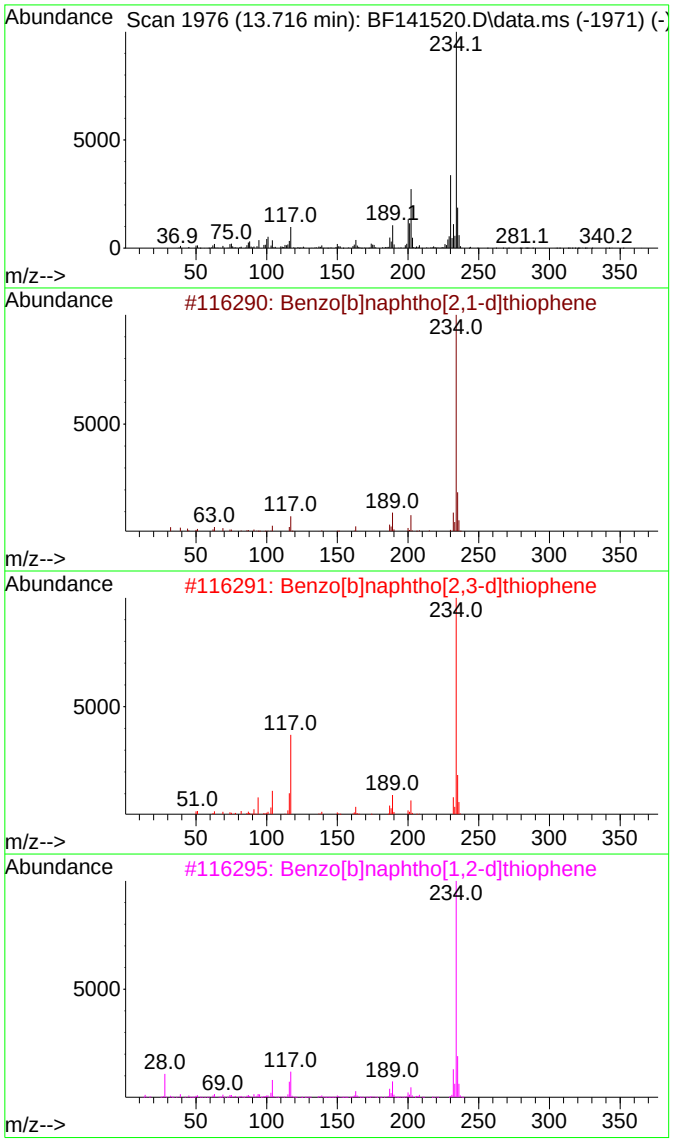
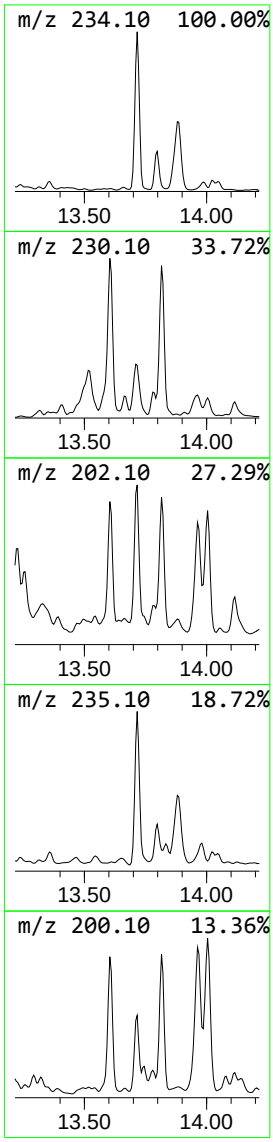
****
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	3.17 ng	867052	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	46
5	2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	43





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TIC Library : C:\Database\NIST20.L
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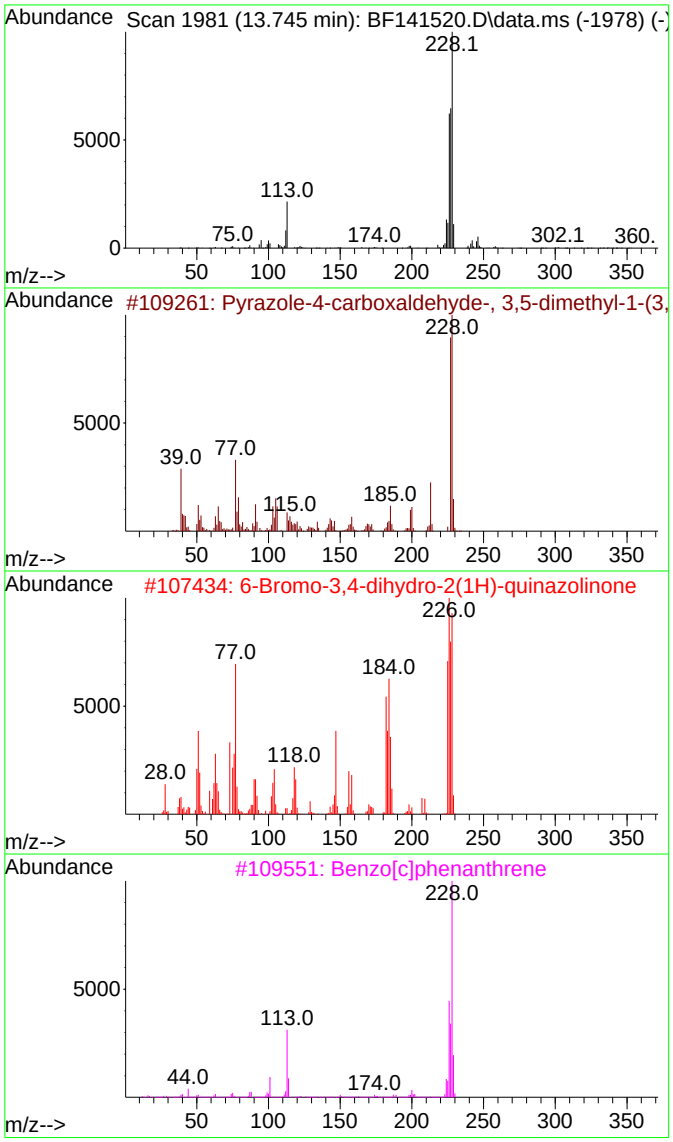
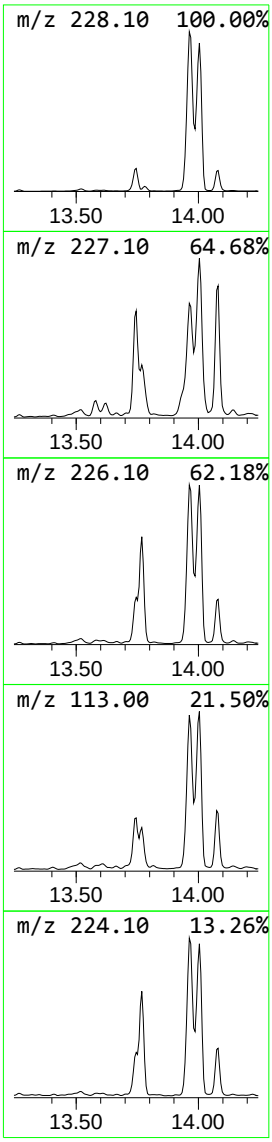
Peak Number 16 unknown13.745 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	2.99 ng	818683	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
2	6-Bromo-3,4-dihydro-2(1H)-quinaz...	226	C8H7BrN2O	1246765-38-7	42
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38
4	Ethyl trans-3-(1-pyrenyl)-2-prop...	300	C21H16O2	1000326-14-5	38
5	Benz[a]anthracene	228	C18H12	000056-55-3	37





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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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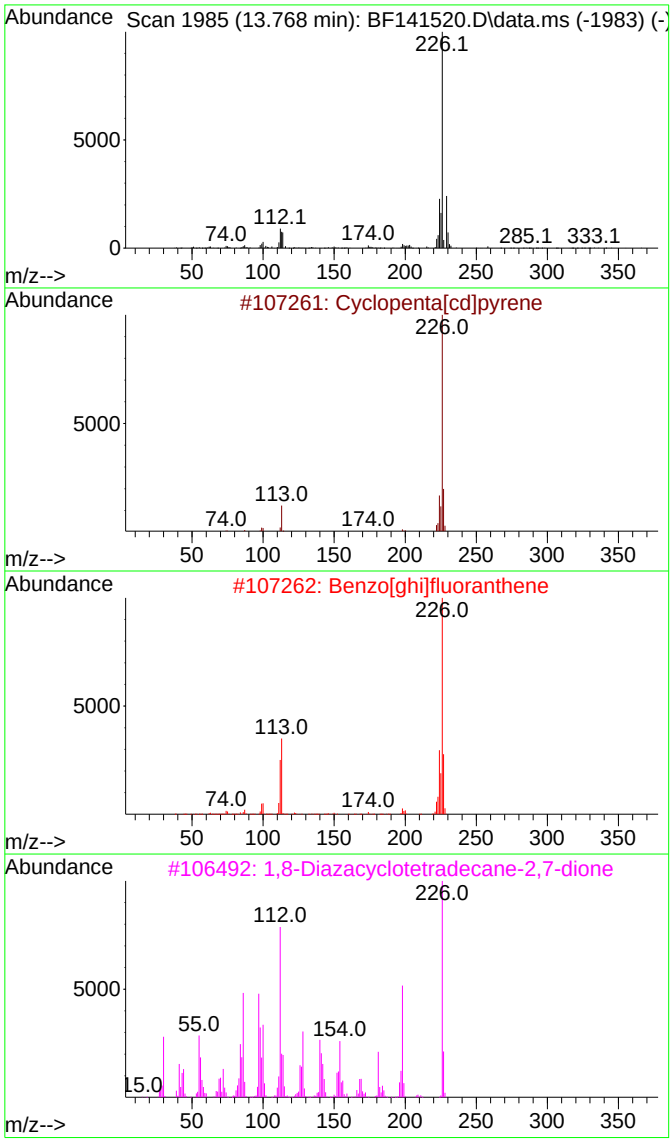
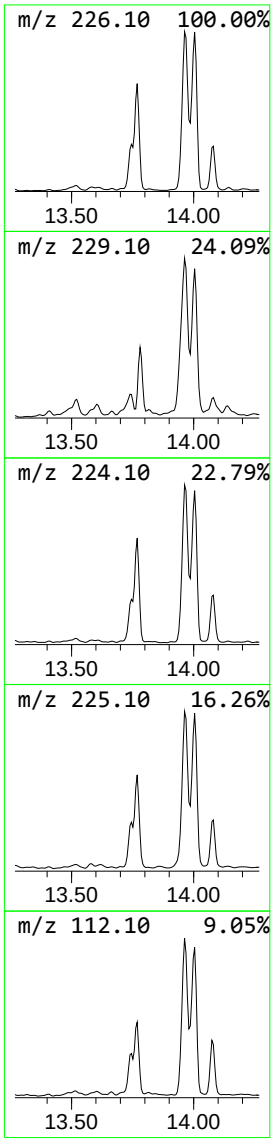
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.769	3.35 ng	916660	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	60
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	50
3	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	37
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	9
5	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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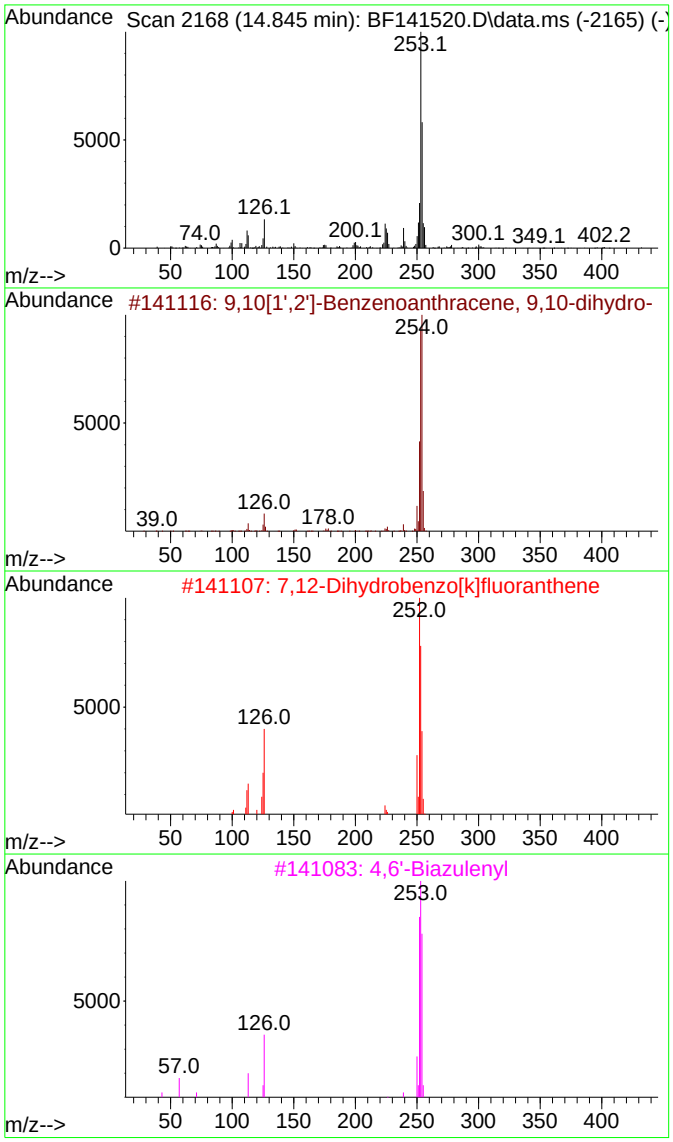
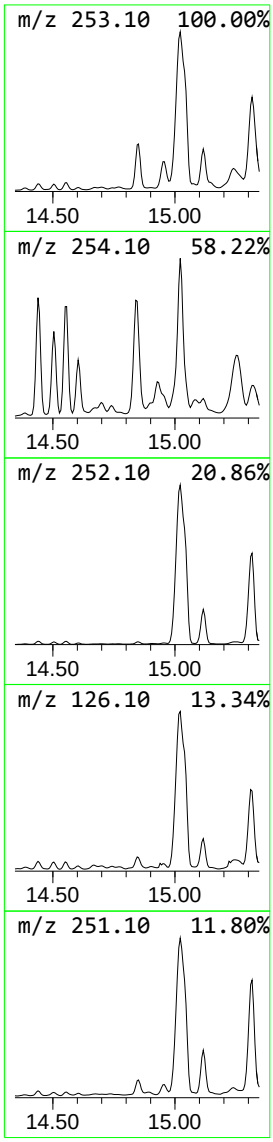
Peak Number 18 9,10[1',2']-Benzenoanthrace... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.845	29.04 ng	299332	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	81
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
3	4,6'-Biazulenyl	254	C20H14	094154-49-1	62
4	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	58
5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	53





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Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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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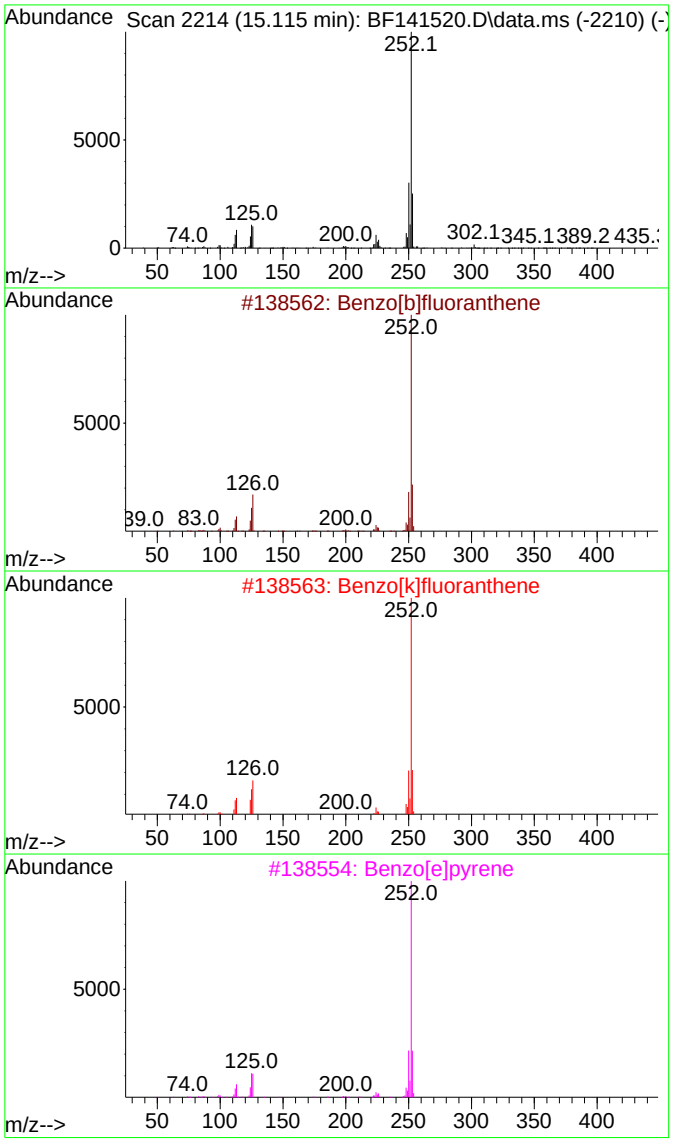
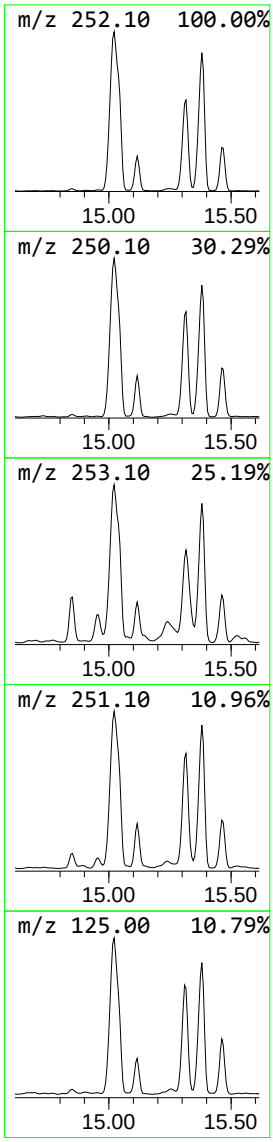
Peak Number 19 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.116	49.03 ng	505349	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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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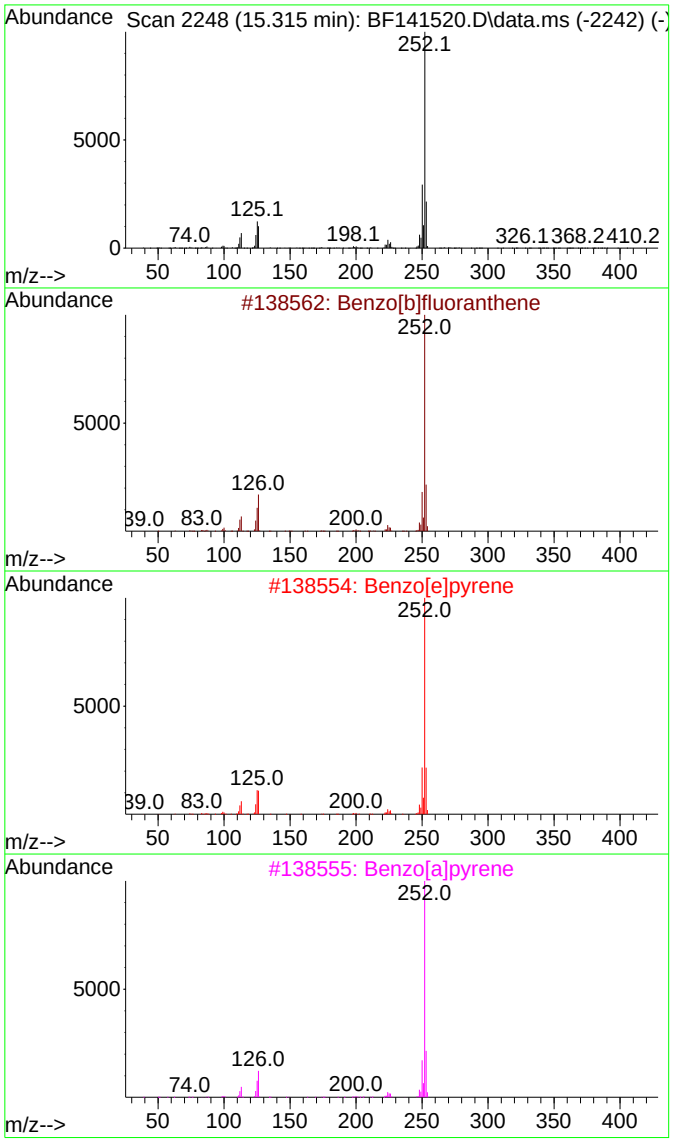
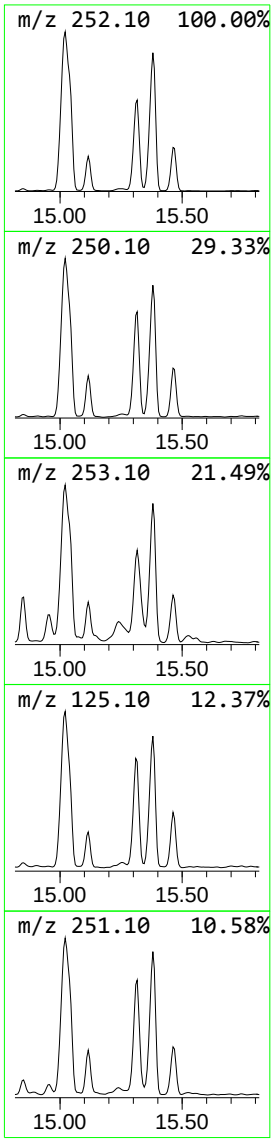
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	181.24 ng	1868130	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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
Naphthalene, 2,...	9.486	3.9	ng	124669	3	9.828	634798	20.0
Naphthalene, 2,...	10.233	5.6	ng	177687	3	9.828	634798	20.0
Benzene, [1-(2,...	10.439	6.7	ng	212698	3	9.828	634798	20.0
Benzophenone	10.539	11.0	ng	350547	3	9.828	634798	20.0
Phenanthrene, 2...	11.822	3.5	ng	866663	4	11.316	4877270	20.0
Phenanthrene, 1...	11.851	4.9	ng	1204200	4	11.316	4877270	20.0
4H-Cyclopenta[d...	11.933	9.5	ng	2315270	4	11.316	4877270	20.0
Naphthalene, 2-...	12.116	2.7	ng	667243	4	11.316	4877270	20.0
Phenanthrene, 2...	12.374	3.5	ng	853322	4	11.316	4877270	20.0
Cyclopenta(def)...	12.469	3.2	ng	787249	4	11.316	4877270	20.0
Pyrene, 1-methyl-	12.986	4.7	ng	1273180	5	13.974	5472600	20.0
Fluoranthene, 2...	13.092	6.8	ng	1855310	5	13.974	5472600	20.0
Pyrene, 2-methyl-	13.198	5.9	ng	1605720	5	13.974	5472600	20.0
11H-Benzo[a]flu...	13.604	3.3	ng	912171	5	13.974	5472600	20.0
Benzo[b]naphtho...	13.716	3.2	ng	867052	5	13.974	5472600	20.0
unknown13.745	13.745	3.0	ng	818683	5	13.974	5472600	20.0
Cyclopenta[cd]p...	13.769	3.4	ng	916660	5	13.974	5472600	20.0
9,10[1',2']-Ben...	14.845	29.0	ng	299332	6	15.433	206148	20.0
Benzo[e]pyrene	15.116	49.0	ng	505349	6	15.433	206148	20.0
Perylene	15.316	181.2	ng	1868130	6	15.433	206148	20.0