LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143066.D
Acq On : 09 Jul 2025 20:04
Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143066.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	484	490	504	rBV	5982	9983	1.04%	0.099%
2	5.493	555	561	581	rBV	73989	118752	12.35%	1.183%
3	6.504	728	733	745	rBV	73189	112192	11.67%	1.118%
4	6.869	790	795	806	rBV	180184	224449	23.34%	2.236%
5	7.434	886	891	906	rVB	52197	72858	7.58%	0.726%
6	8.157	1009	1014	1028	rBV	209746	268684	27.94%	2.677%
7	9.228	1191	1196	1207	rBV	106242	132321	13.76%	1.318%
8	9.569	1250	1254	1257	rBV	8417	10604	1.10%	0.106%
9	9.775	1285	1289	1293	rBV2	11726	14694	1.53%	0.146%
10	9.910	1307	1312	1316	rBV	197690	255308	26.55%	2.543%
11	9.945	1316	1318	1323	rVB	27465	28923	3.01%	0.288%
12	10.116	1343	1347	1351	rBV2	9520	12894	1.34%	0.128%
13	10.463	1401	1406	1411	rVB	30724	39375	4.09%	0.392%
14	10.622	1428	1433	1441	rVB2	15046	23797	2.47%	0.237%
15	10.704	1441	1447	1452	rBV	54333	74828	7.78%	0.745%
16	10.828	1463	1468	1474	rVB3	8336	14210	1.48%	0.142%
17	11.010	1494	1499	1502	rBV5	11148	17076	1.78%	0.170%
18	11.139	1516	1521	1523	rBV5	6987	11082	1.15%	0.110%
19	11.210	1529	1533	1537	rVV	15209	18128	1.88%	0.181%
20	11.251	1537	1540	1544	rVV2	7736	10776	1.12%	0.107%
21	11.298	1544	1548	1553	rVB	22004	30779	3.20%	0.307%
22	11.404	1561	1566	1567	rBV	211676	244213	25.39%	2.433%
23	11.428	1567	1570	1575	rVV	391065	497009	51.68%	4.951%
24	11.480	1575	1579	1582	rVV	56758	74273	7.72%	0.740%
25	11.516	1582	1585	1590	rVB3	8609	12995	1.35%	0.129%
26	11.639	1600	1606	1612	rBV2	34761	56745	5.90%	0.565%
27	11.698	1612	1616	1619	rVV	11885	16606	1.73%	0.165%
28	11.739	1619	1623	1628	rVB3	15088	20640	2.15%	0.206%
29	11.816	1633	1636	1640	rVB2	8477	11532	1.20%	0.115%
30	11.904	1647	1651	1653	rBV	60133	75361	7.84%	0.751%
31	11.933	1653	1656	1660	rVB	77189	96111	9.99%	0.957%
32	11.980	1660	1664	1666	rBV	14471	17590	1.83%	0.175%
33	12.022	1666	1671	1679	rVB2	100580	195098	20.29%	1.944%
34	12.198	1697	1701	1704	rBV	40219	53935	5.61%	0.537%
35	12.233	1704	1707	1712	rVB	65482	79527	8.27%	0.792%
36	12.351	1722	1727	1730	rBV4	14473	23566	2.45%	0.235%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143066.D
Acq On : 09 Jul 2025 20:04
Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.380	1730	1732	1735	rVV	10157	10752	1.12%	0.107%
38	12.457	1740	1745	1748	rBV	37457	56166	5.84%	0.560%
39	12.492	1748	1751	1757	rVV4	27437	53982	5.61%	0.538%
40	12.545	1757	1760	1768	rVB2	38200	54749	5.69%	0.545%
41	12.622	1768	1773	1778	rBV	728070	912753	94.91%	9.093%
42	12.686	1778	1784	1787	rVB2	15945	30041	3.12%	0.299%
43	12.769	1792	1798	1805	rBV3	29255	63799	6.63%	0.636%
44	12.851	1805	1812	1817	rBV	630802	952795	99.07%	9.492%
45	12.898	1817	1820	1825	rVB2	32168	44808	4.66%	0.446%
46	12.986	1828	1835	1843	rVB3	128160	245269	25.50%	2.443%
47	13.069	1843	1849	1853	rBV2	55868	102240	10.63%	1.019%
48	13.174	1859	1867	1871	rVB	93198	175389	18.24%	1.747%
49	13.245	1875	1879	1882	rVV	68871	90460	9.41%	0.901%
50	13.280	1882	1885	1892	rVV3	72444	121301	12.61%	1.208%
51	13.339	1892	1895	1898	rVV	12857	16256	1.69%	0.162%
52	13.374	1898	1901	1904	rVV	33582	45209	4.70%	0.450%
53	13.410	1904	1907	1914	rVB2	37860	58285	6.06%	0.581%
54	13.586	1929	1937	1938	rBV7	16891	37613	3.91%	0.375%
55	13.692	1947	1955	1960	rBV	61374	100633	10.46%	1.003%
56	13.798	1968	1973	1976	rBV	75170	121077	12.59%	1.206%
57	13.827	1976	1978	1980	rVV	64233	72498	7.54%	0.722%
58	13.857	1980	1983	1986	rVV2	52606	91553	9.52%	0.912%
59	13.898	1987	1990	1997	rVB	68327	102007	10.61%	1.016%
60	13.969	1998	2002	2007	rVB	17215	28053	2.92%	0.279%
61	14.051	2007	2016	2019	rBV2	505690	961749	100.00%	9.581%
62	14.080	2019	2021	2028	rVB	330667	373448	38.83%	3.720%
63	14.157	2028	2034	2038	rBV2	47753	79768	8.29%	0.795%
64	14.204	2039	2042	2046	rBV3	15452	22536	2.34%	0.225%
65	14.280	2051	2055	2058	rVB3	23309	35667	3.71%	0.355%
66	14.369	2067	2070	2072	rBV2	10633	12758	1.33%	0.127%
67	14.404	2073	2076	2077	rVV	16948	18698	1.94%	0.186%
68	14.439	2077	2082	2085	rVV	62674	89036	9.26%	0.887%
69	14.474	2085	2088	2091	rVV3	23171	28749	2.99%	0.286%
70	14.510	2091	2094	2096	rBV2	15807	18666	1.94%	0.186%
71	14.569	2101	2104	2105	rBV2	20199	21331	2.22%	0.212%
72	14.763	2133	2137	2140	rBV2	17552	27499	2.86%	0.274%
73	14.945	2164	2168	2175	rVB3	23758	46430	4.83%	0.463%
74	15.110	2190	2196	2211	rBV	243988	603892	62.79%	6.016%
75	15.221	2211	2215	2219	rVB	33414	46150	4.80%	0.460%
76	15.316	2227	2231	2236	rBV4	11562	28313	2.94%	0.282%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143066.D
Acq On : 09 Jul 2025 20:04
Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.421	2244	2249	2255	rVB	122176	192680	20.03%	1.919%
78	15.486	2255	2260	2265	rBV	164204	251500	26.15%	2.505%
79	15.545	2265	2270	2274	rBV	136341	220227	22.90%	2.194%
80	15.998	2342	2347	2351	rBV3	14513	25193	2.62%	0.251%
81	16.121	2365	2368	2373	rVB	10826	15685	1.63%	0.156%
82	17.062	2521	2528	2536	rBV2	70151	151106	15.71%	1.505%
83	17.239	2553	2558	2563	rBV	12372	28184	2.93%	0.281%
84	17.521	2599	2606	2621	rVB	54371	131435	13.67%	1.309%
85	17.768	2643	2648	2663	rVB3	15343	42877	4.46%	0.427%

Sum of corrected areas: 10038179

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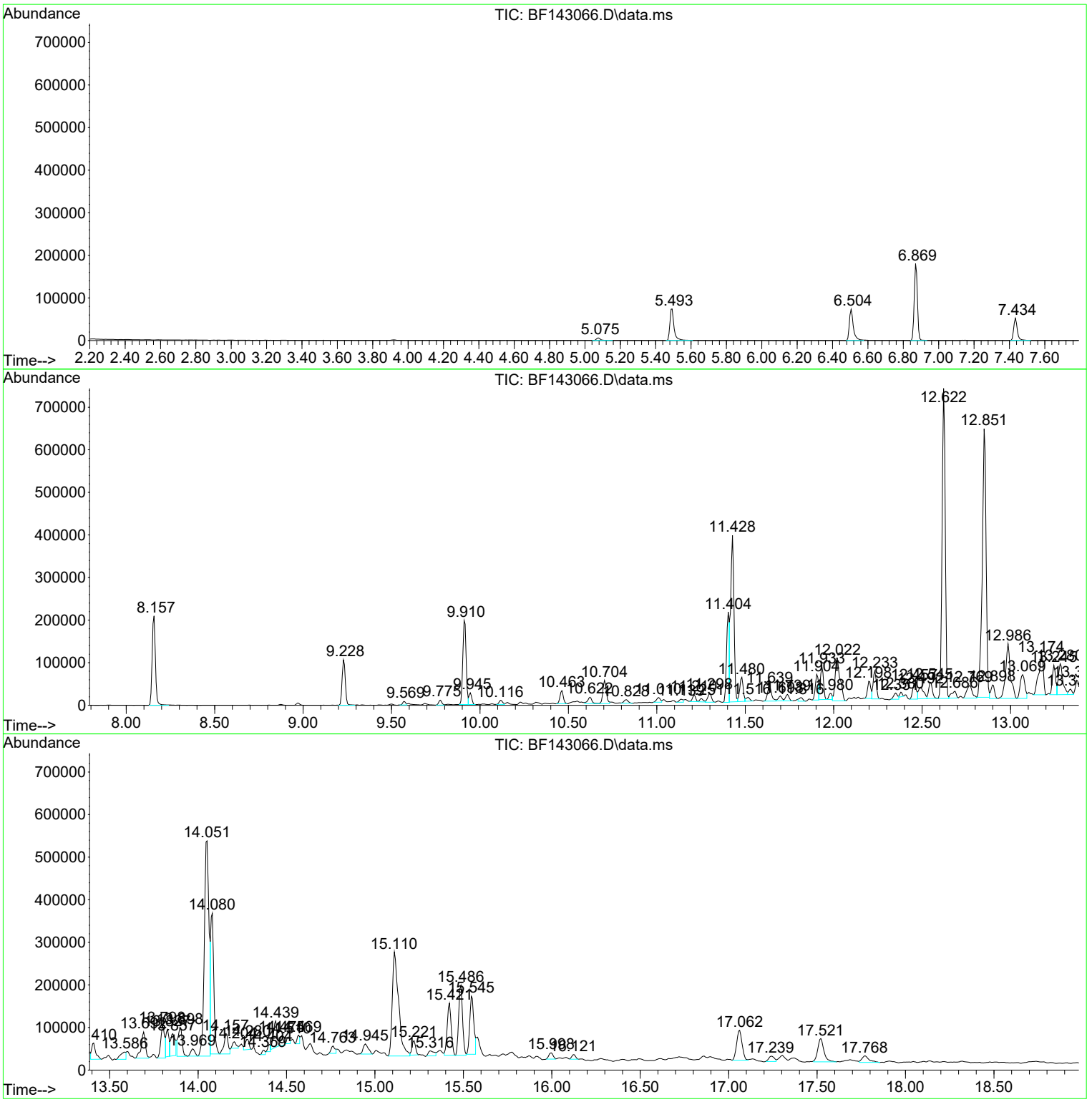
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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\BF070925\
Data File : BF143066.D
Acq On : 09 Jul 2025 20:04
Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

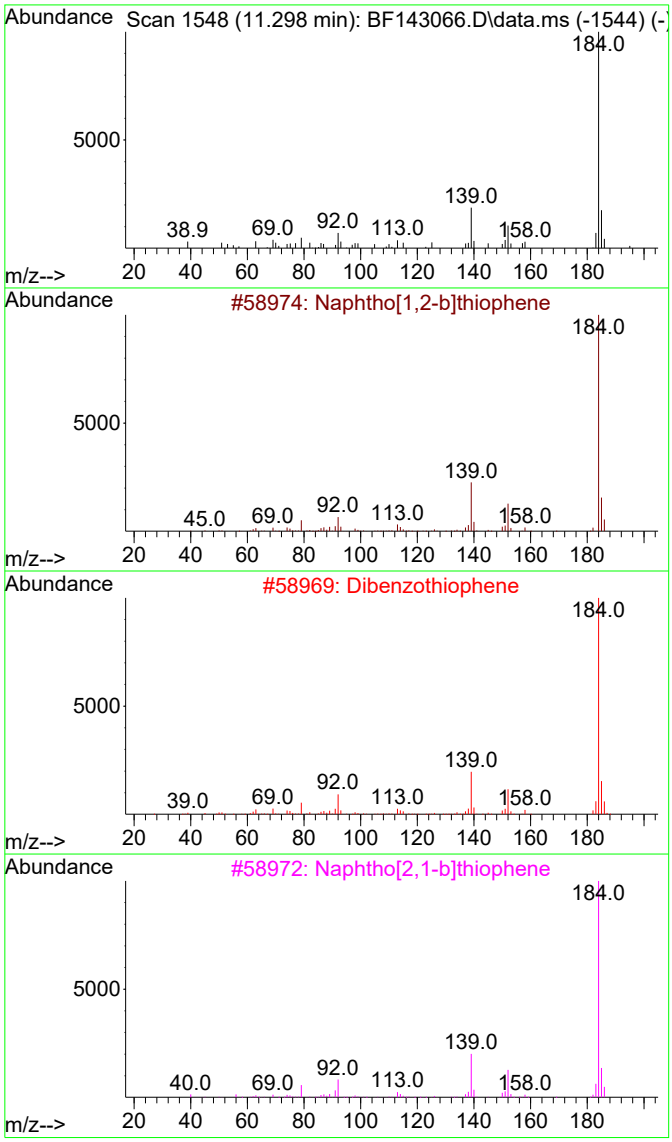
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

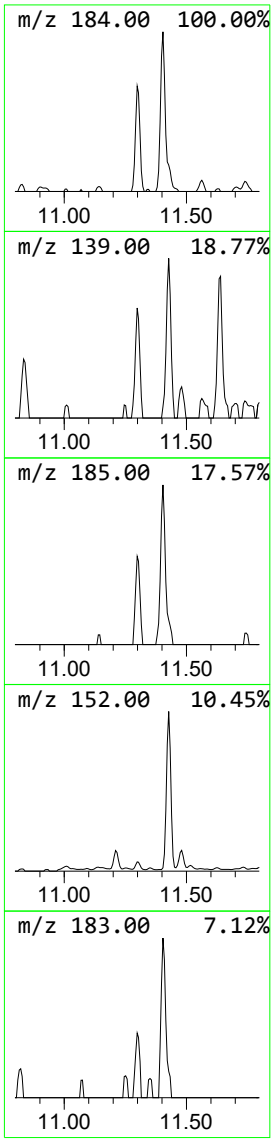
****

Peak Number 1 Naphtho[1,2-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	2.52 ng	30779	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143066.D
Acq On : 09 Jul 2025 20:04
Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

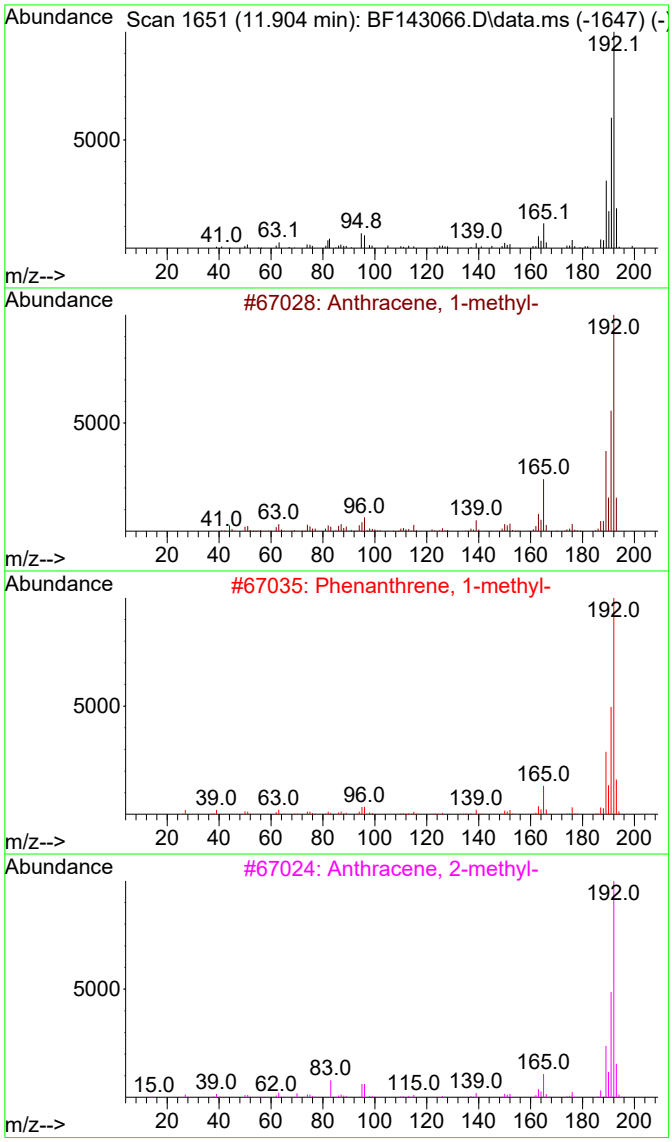
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

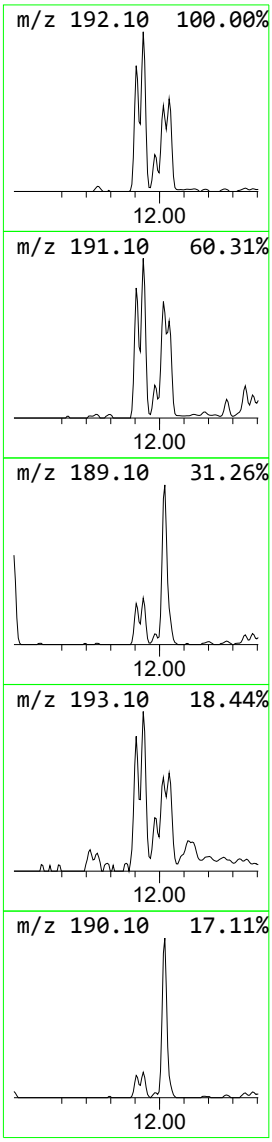
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	6.17 ng	75361	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143066.D
Acq On : 09 Jul 2025 20:04
Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

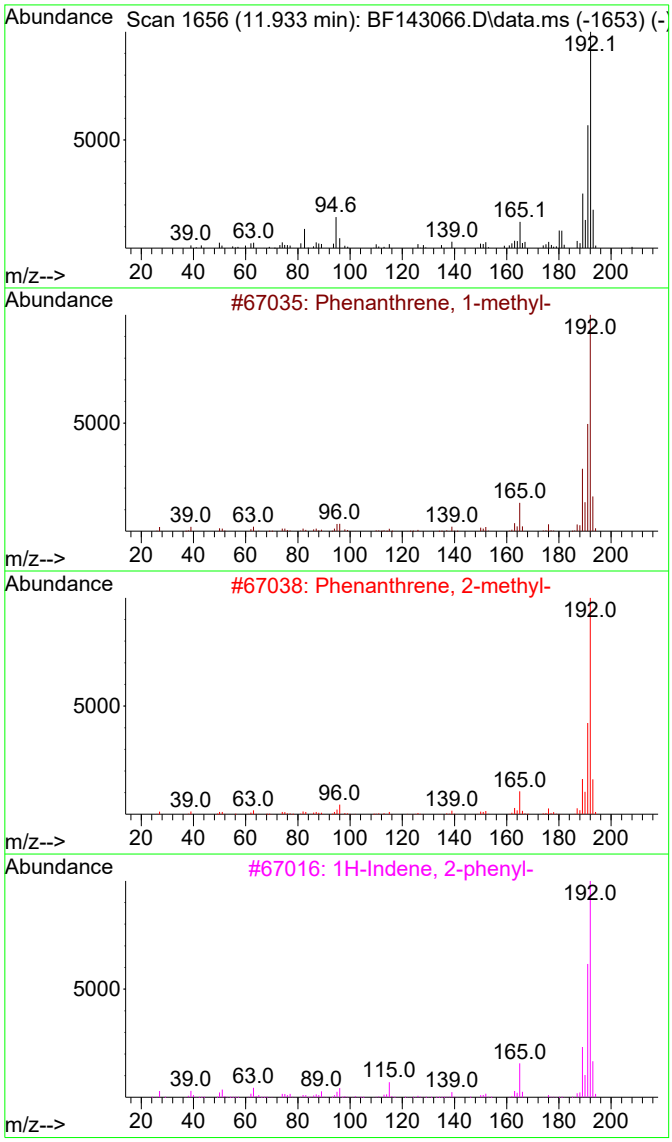
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

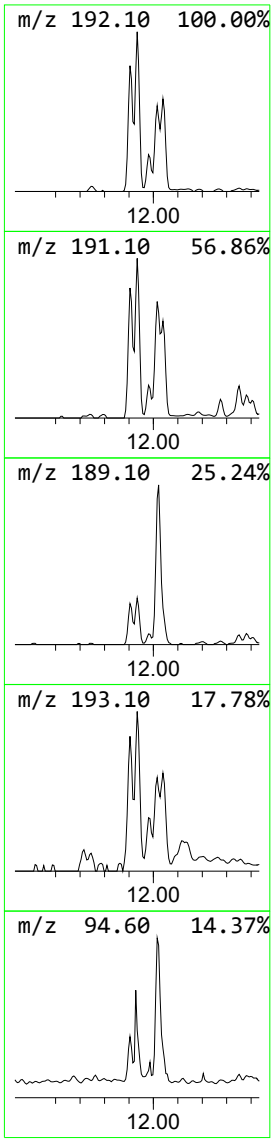
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	7.87 ng	96111	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143066.D
Acq On : 09 Jul 2025 20:04
Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

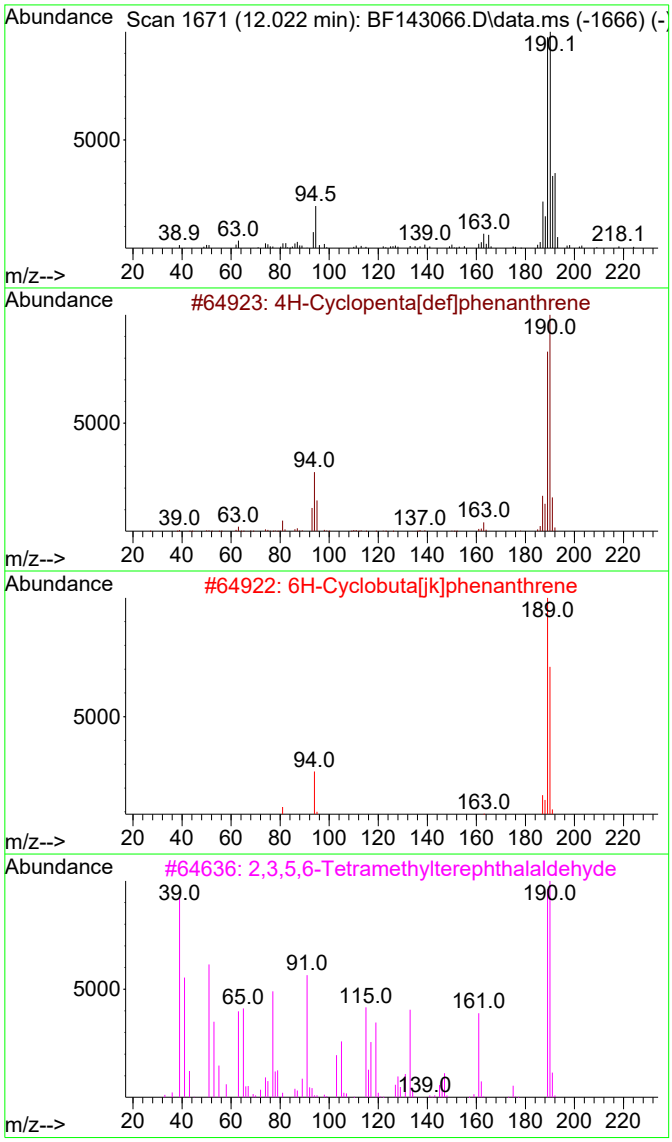
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

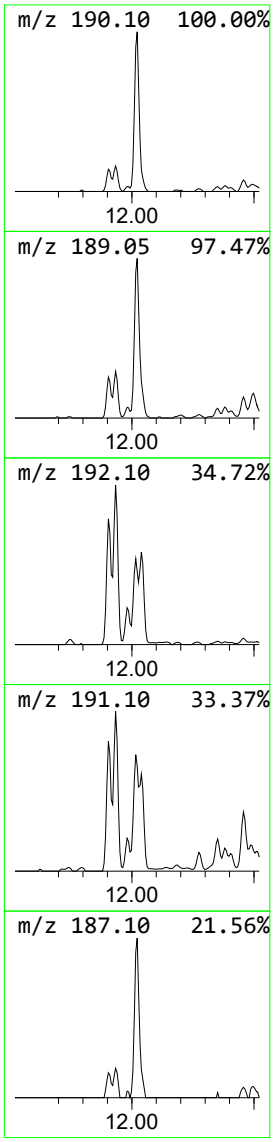
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	15.98 ng	195098	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143066.D
Acq On : 09 Jul 2025 20:04
Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

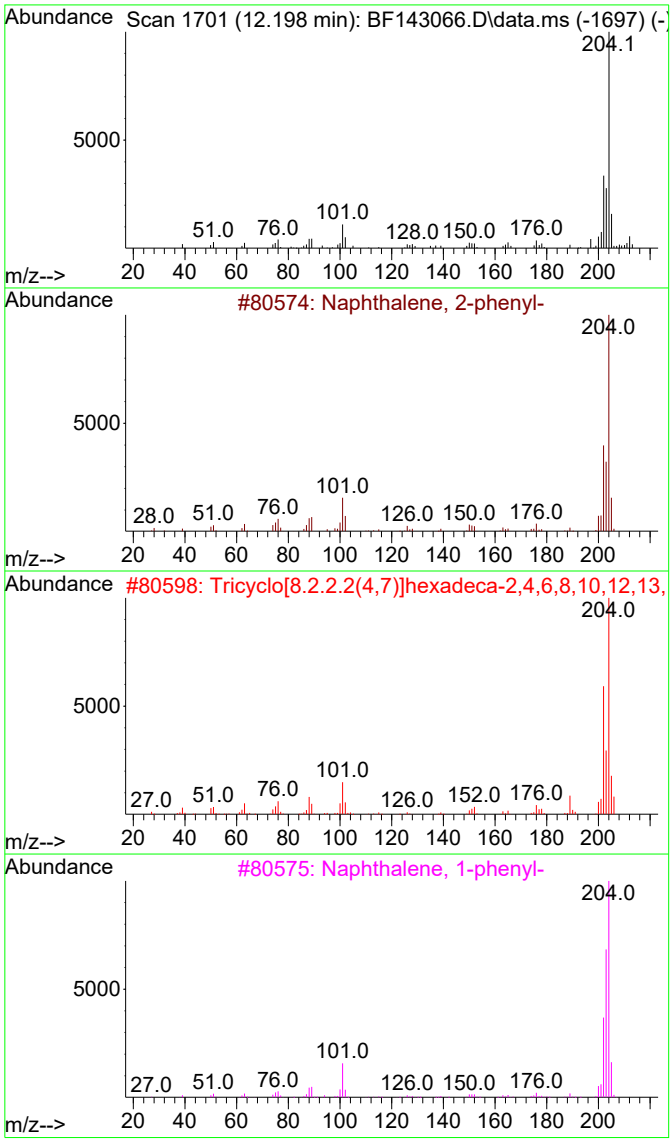
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

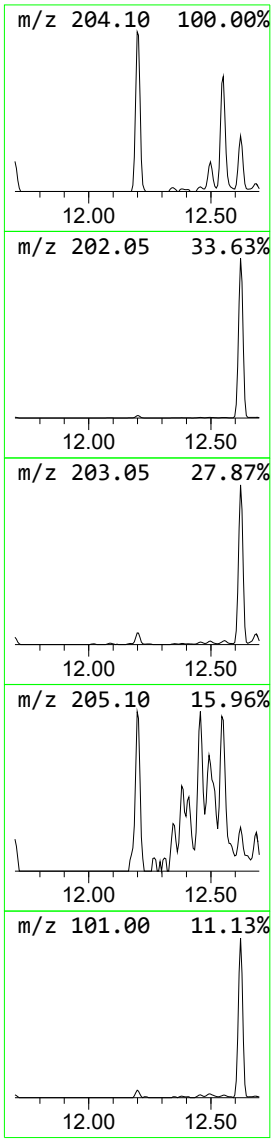
****

Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	4.42 ng	53935	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	64
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143066.D
Acq On : 09 Jul 2025 20:04
Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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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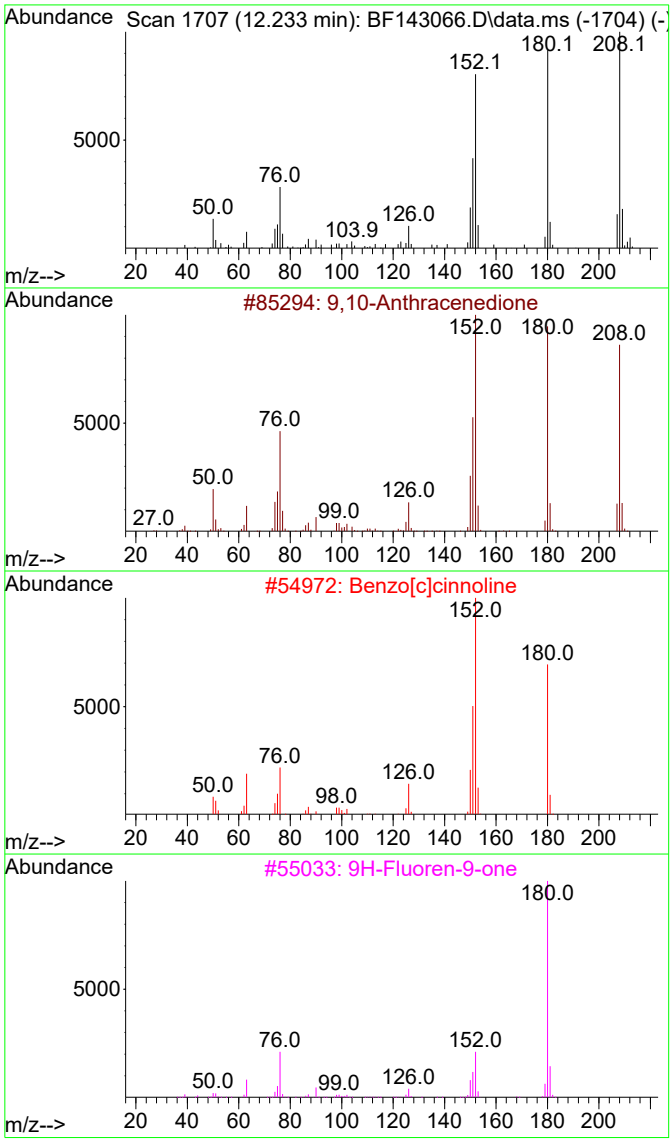
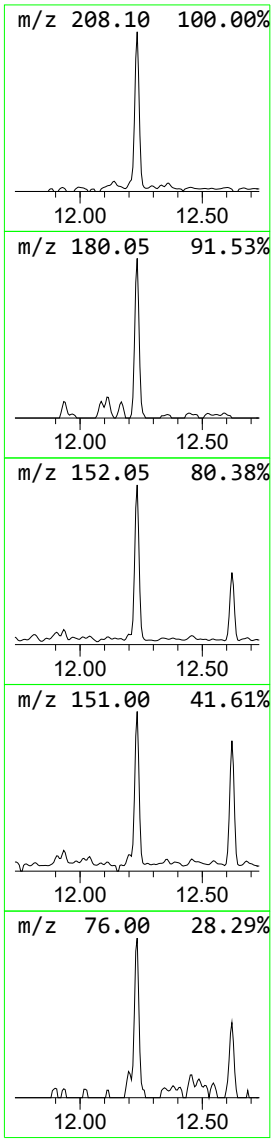
Peak Number 6 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.233	6.51 ng	79527	Phenanthrene-d10	11.404

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	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60





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Acq On : 09 Jul 2025 20:04
Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

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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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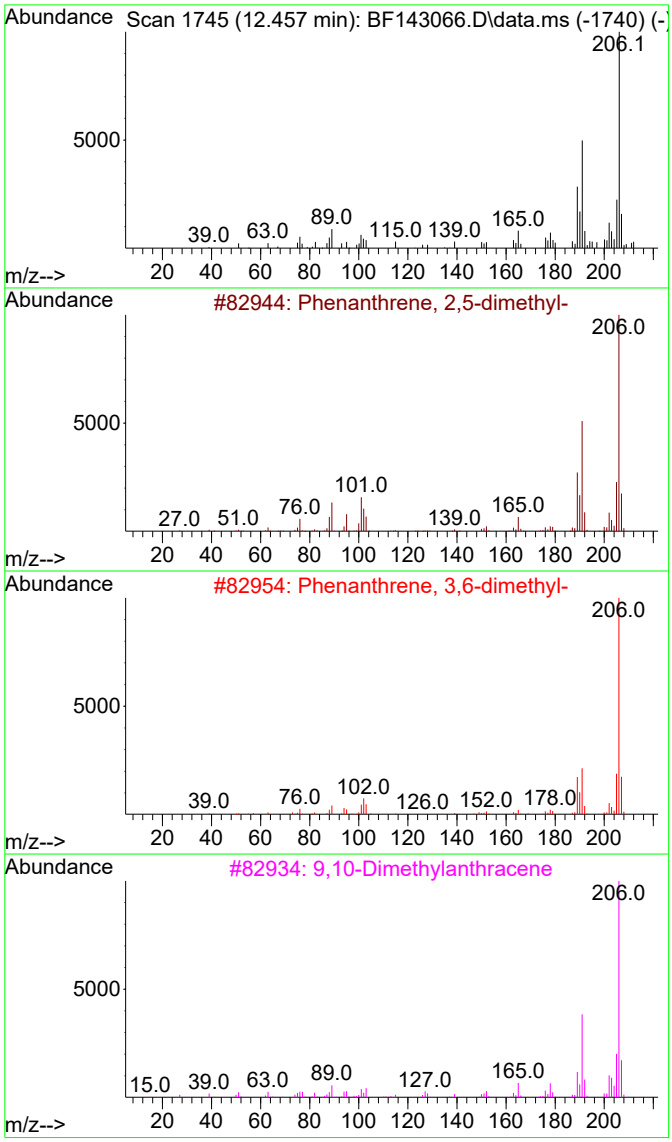
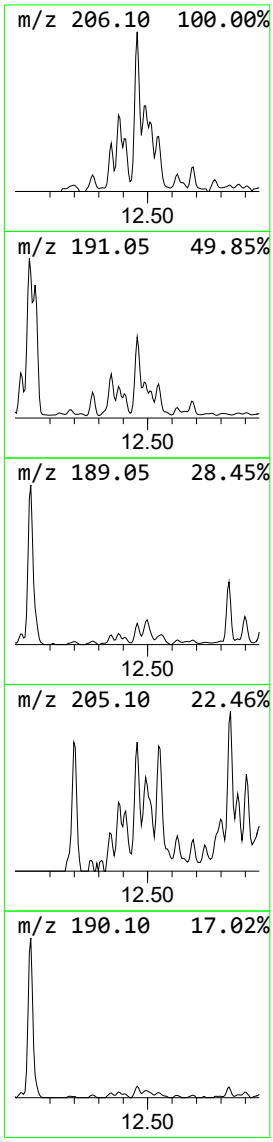
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	4.60 ng	56166	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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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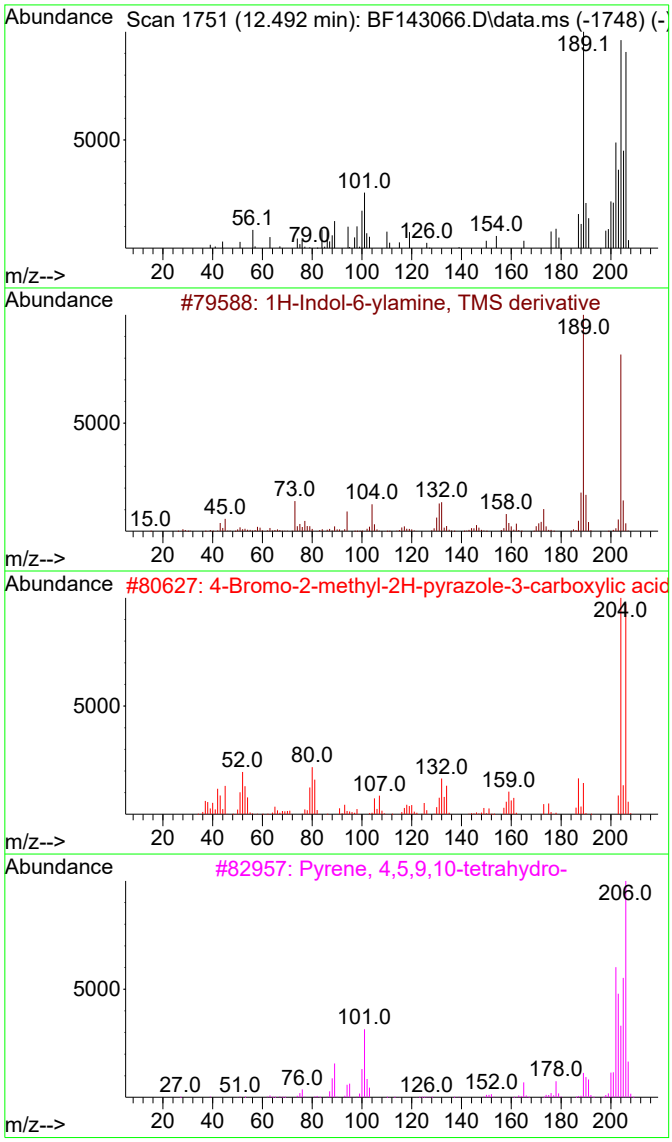
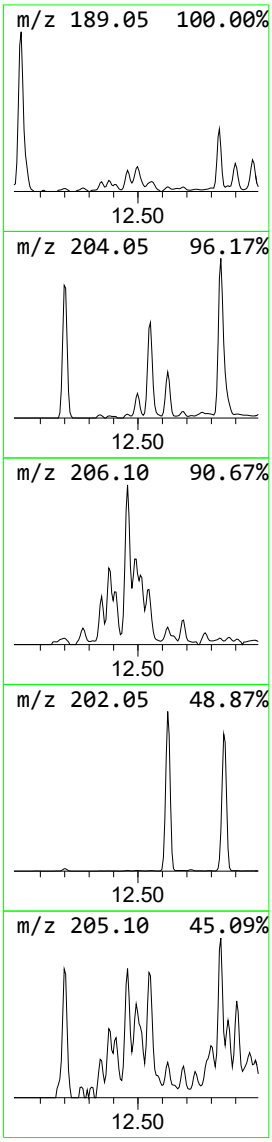
Peak Number 8 unknown12.492 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	4.42 ng	53982	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	35
2	4-Bromo-2-methyl-2H-pyrazole-3-c...	204	C5H5BrN2O2	1000300-50-8	35
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
4	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	22
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	16





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Acq On : 09 Jul 2025 20:04
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Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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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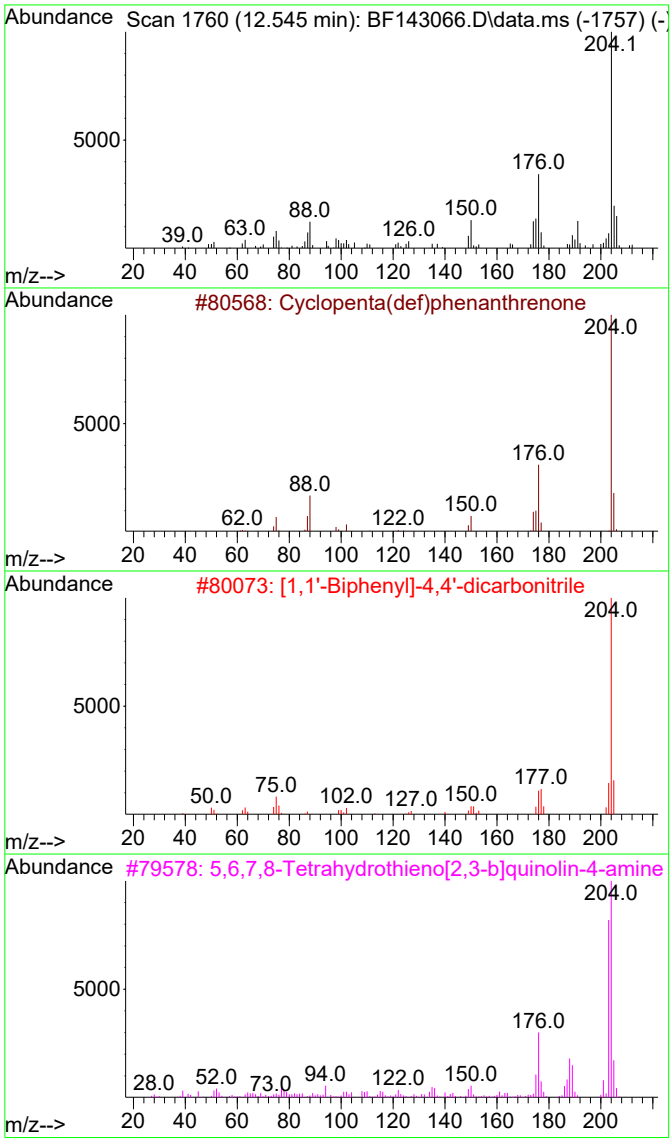
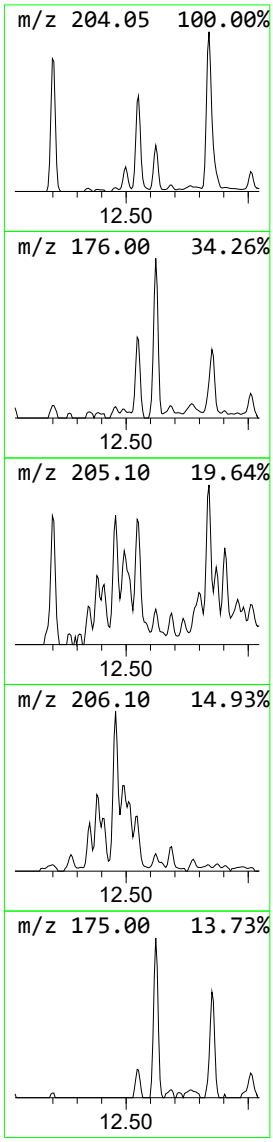
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	4.48 ng	54749	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53





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Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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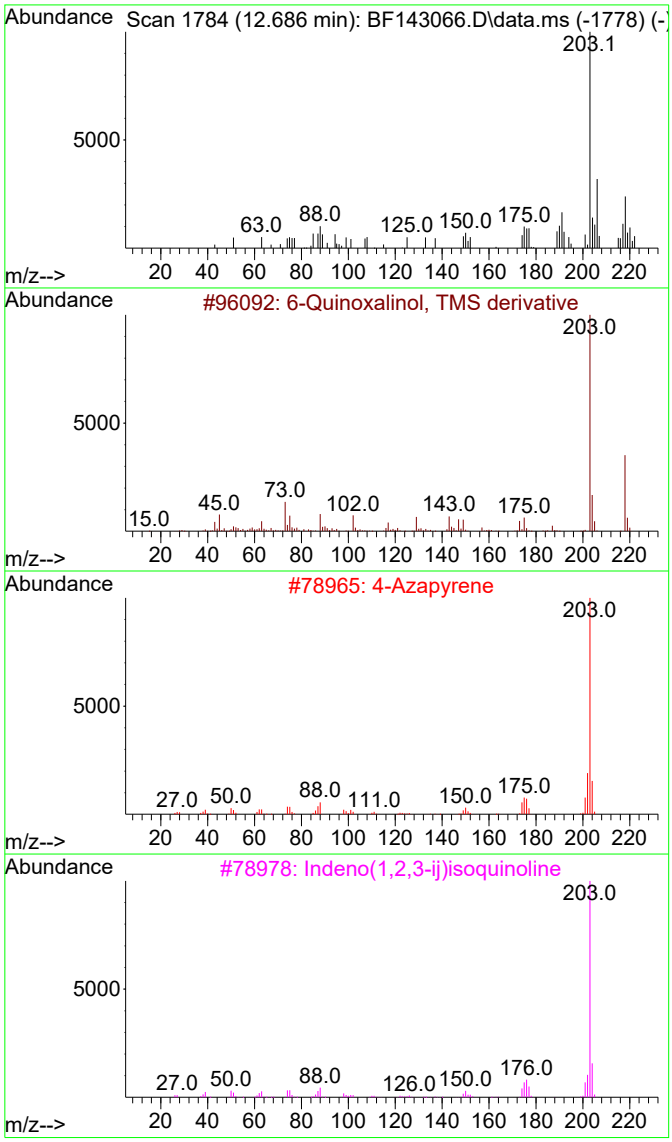
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

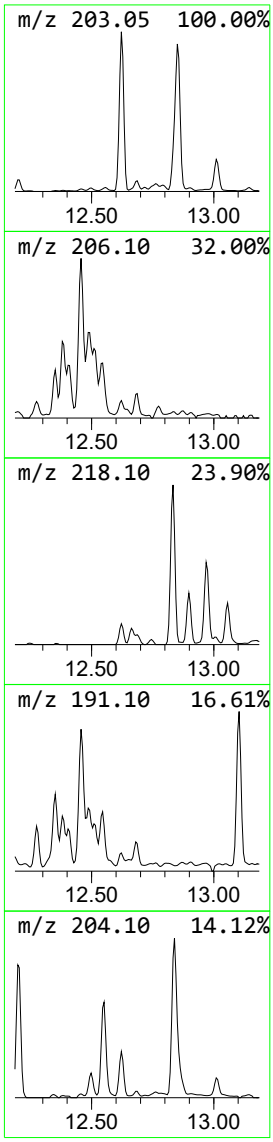
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 6-Quinoxalinol, TMS derivative Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.686	2.46 ng	30041	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Quinoxalinol, TMS derivative	218	C11H14N2OSi	1000474-34-3	52
2	4-Azapyrene	203	C15H9N	000194-03-6	50
3	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	50
4	2,6-Dichloro-4-(1,1-dimethylethy...	218	C10H12Cl2O	1000305-55-5	50
5	9-Cyanophenanthrene	203	C15H9N	002510-55-6	50





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Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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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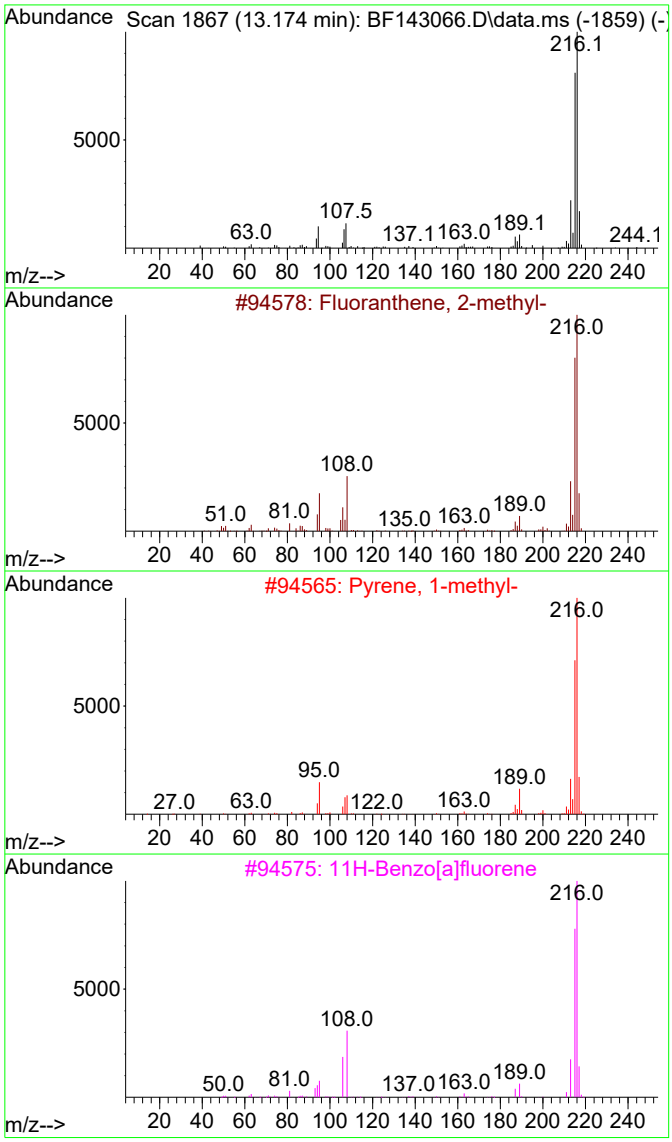
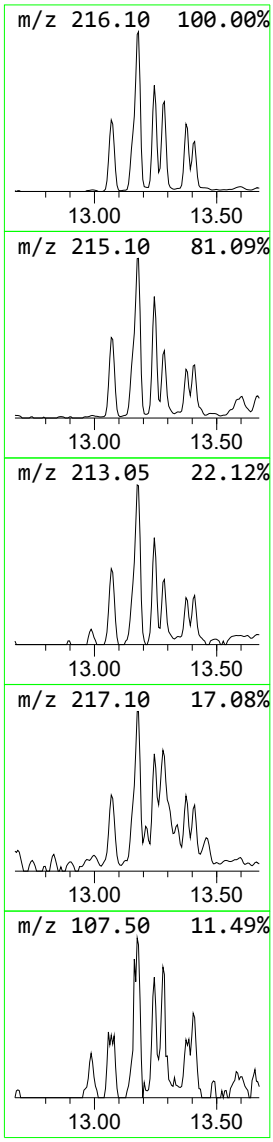
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.175	3.65 ng	175389	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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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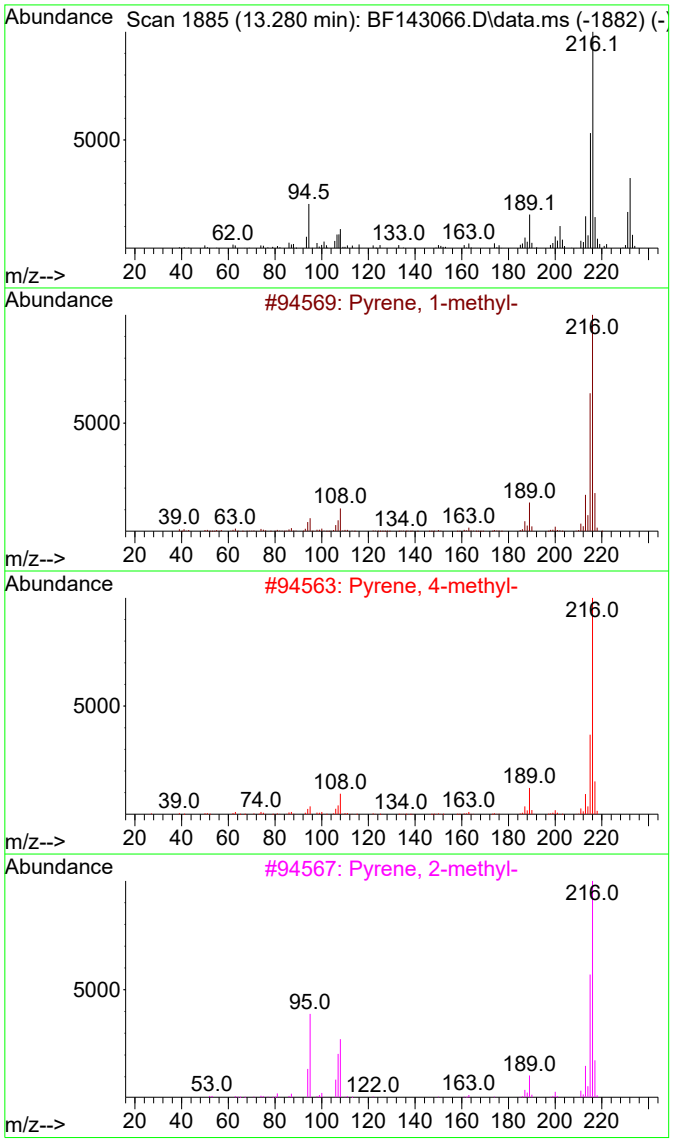
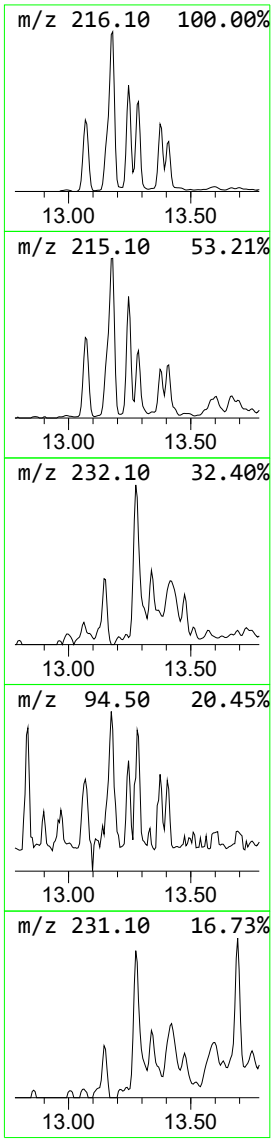
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.280	2.52 ng	121301	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58





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Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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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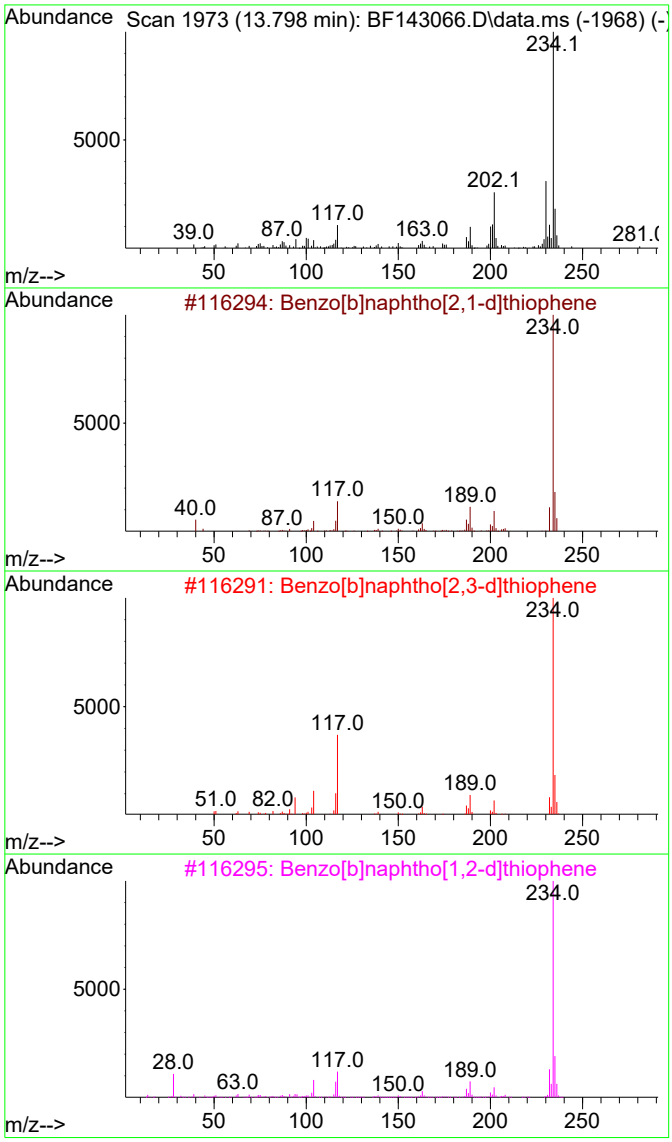
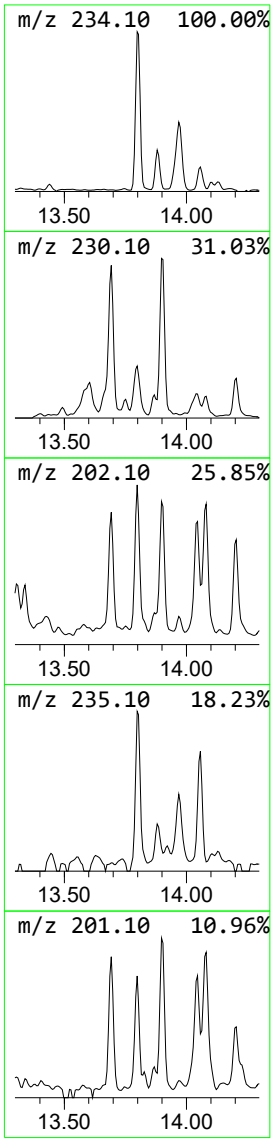
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.798	2.52 ng	121077	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
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	60
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	47
5	2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	46





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Sample : Q2527-01 5X
Misc :
ALS Vial : 20 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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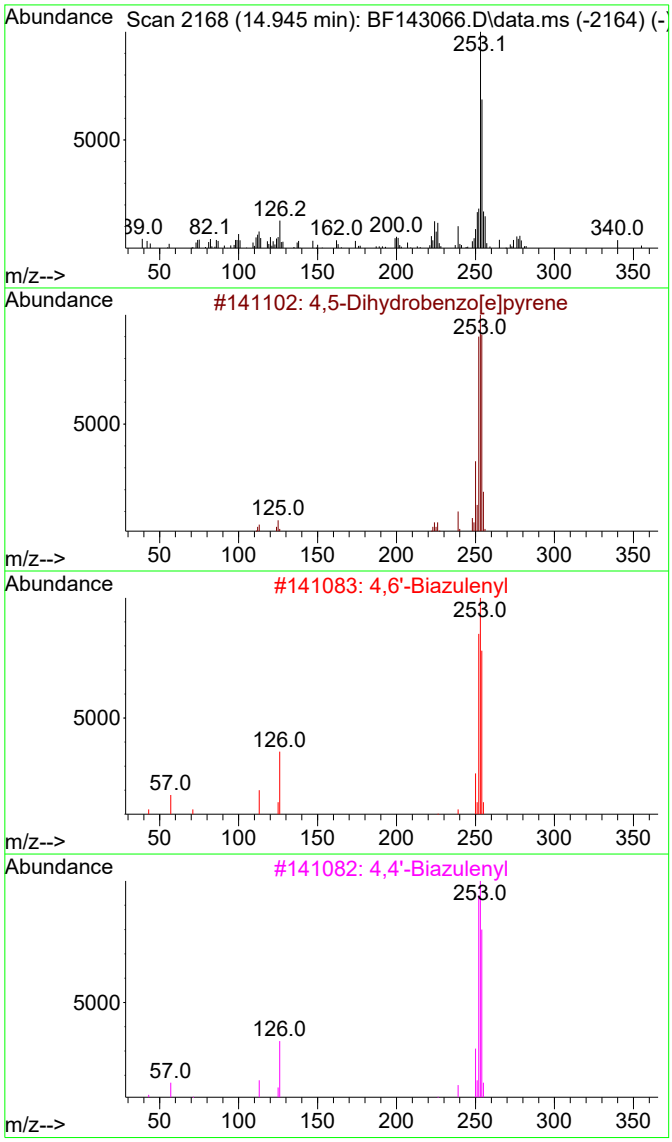
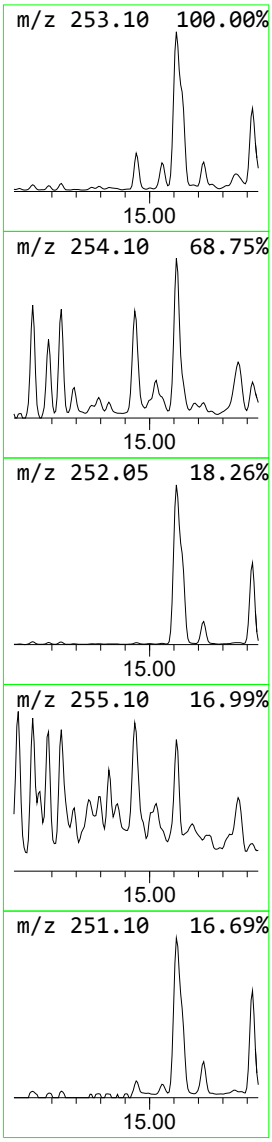
Peak Number 14 4,5-Dihydrobenzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.945	4.22 ng	46430	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	76
2	4,6'-Biazulenyl	254	C20H14	094154-49-1	68
3	4,4'-Biazulenyl	254	C20H14	094053-54-0	68
4	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	68
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	64





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Misc :
ALS Vial : 20 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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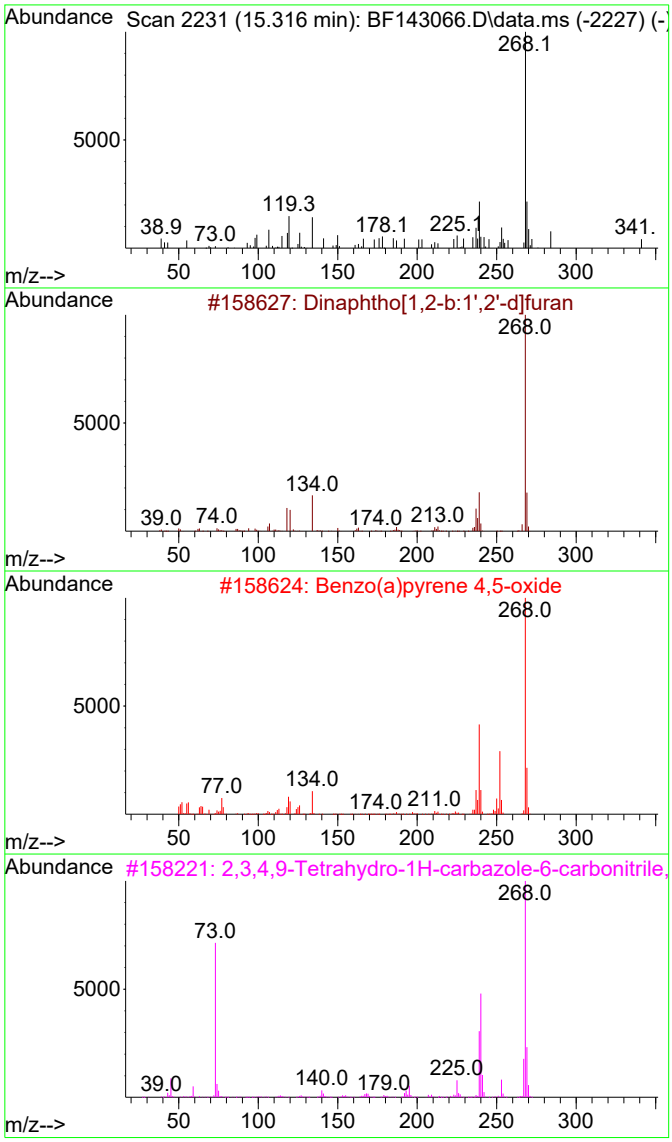
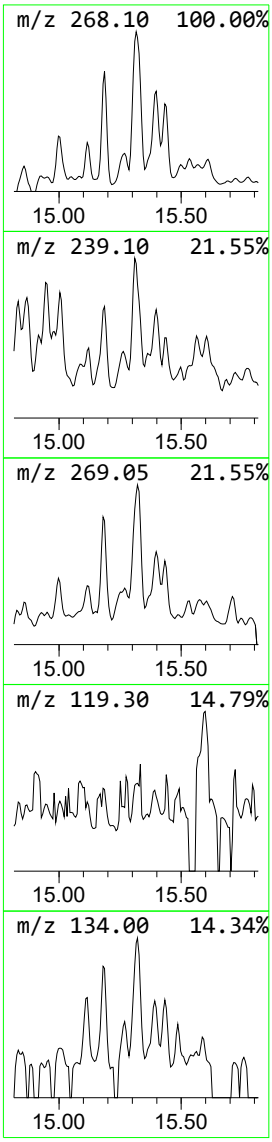
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.316	2.57 ng	28313	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
3	2,3,4,9-Tetrahydro-1H-carbazole-...	268	C16H20N2Si	1000478-28-7	64
4	Diethylstilbestrol	268	C18H20O2	000056-53-1	64
5	trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	60





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ALS Vial : 20 Sample Multiplier: 1

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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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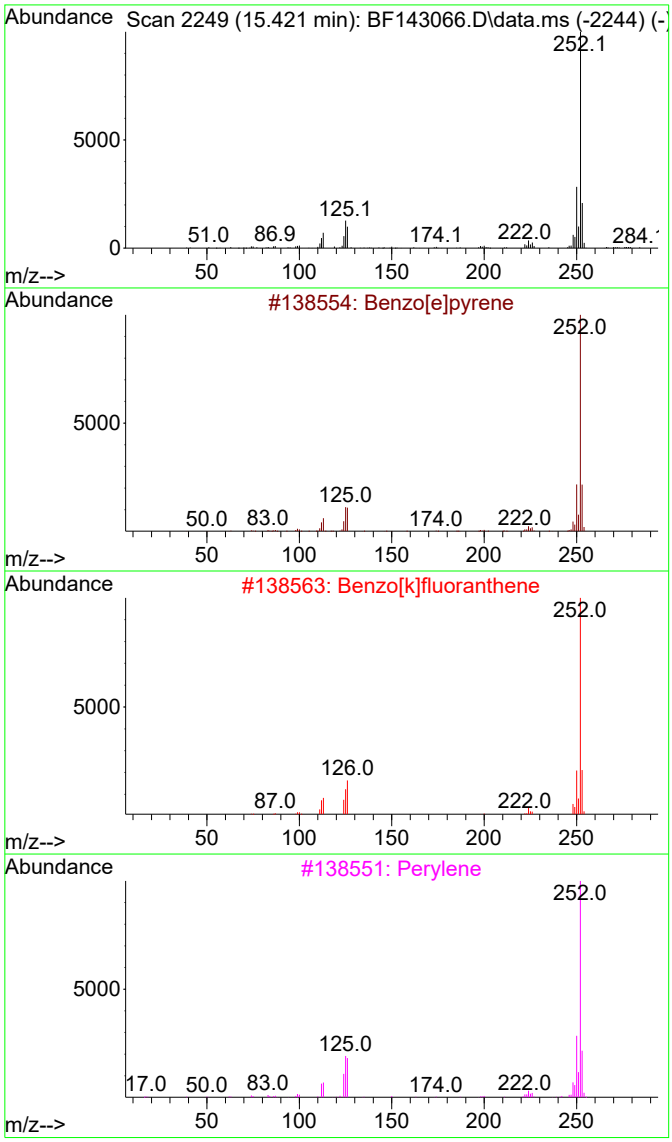
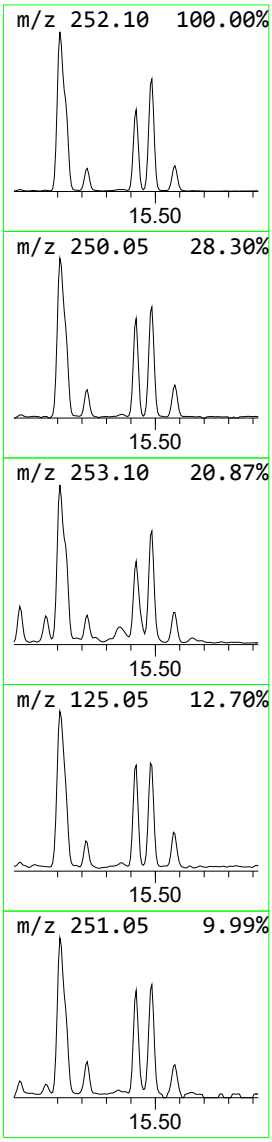
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.421	17.50 ng	192680	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





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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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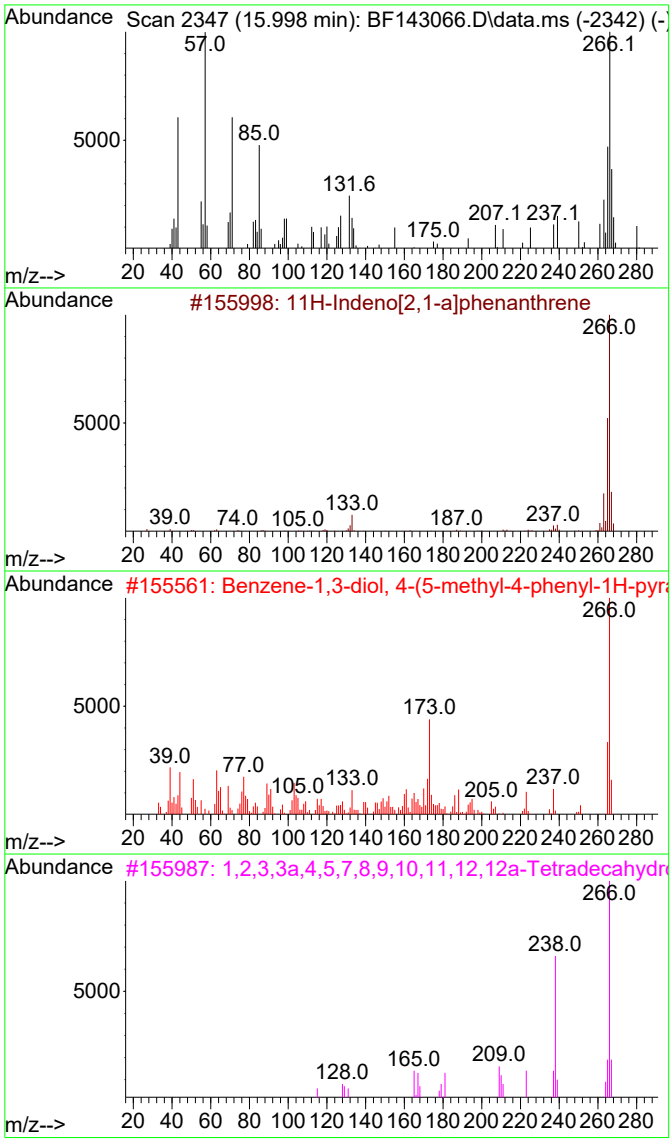
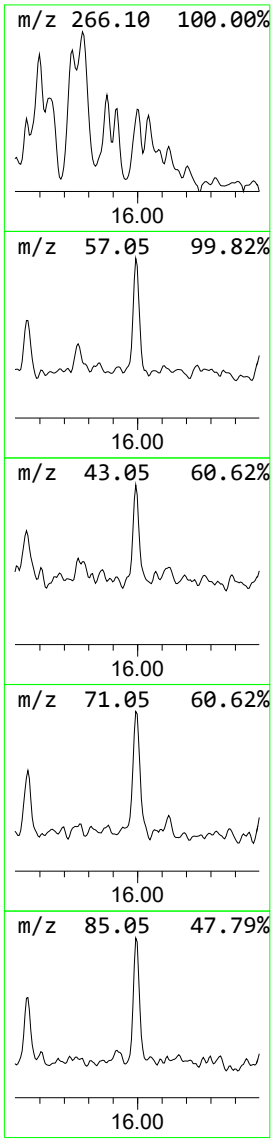
Peak Number 18 unknown15.998 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.998	2.29 ng	25193	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	46
2	Benzene-1,3-diol, 4-(5-methyl-4-...	266	C16H14N2O2	1010303-03-6	43
3	1,2,3,3a,4,5,7,8,9,10,11,12,12a-...	266	C20H26	095676-40-7	38
4	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	38
5	2-(4-Chlorophenyl)-5-methyl-1H-i...	266	C16H11ClN2	1000482-53-2	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143066.D
Acq On : 09 Jul 2025 20:04
Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

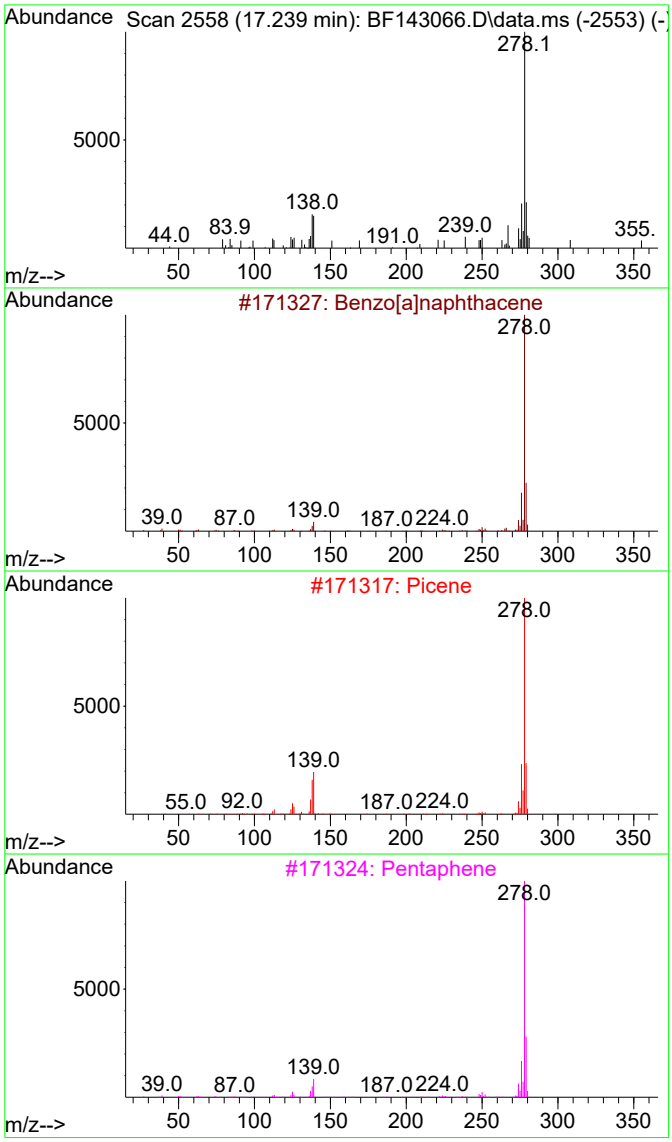
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

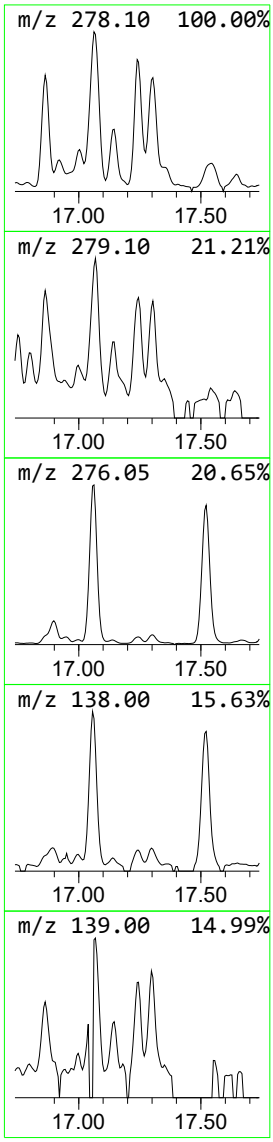
****

Peak Number 19 Benzo[a]naphthacene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.239	2.56 ng	28184	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]naphthacene	278	C22H14	000226-88-0	76
2	Picene	278	C22H14	000213-46-7	70
3	Pentaphene	278	C22H14	000222-93-5	70
4	Dibenz[a,j]anthracene	278	C22H14	000224-41-9	68
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
Data File : BF143066.D
Acq On : 09 Jul 2025 20:04
Operator : RC/JU
Sample : Q2527-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AR520-0015

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.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
Naphtho[1,2-b]t...	11.298	2.5	ng	30779	4	11.404	244213	20.0
Anthracene, 1-m...	11.904	6.2	ng	75361	4	11.404	244213	20.0
Phenanthrene, 1...	11.933	7.9	ng	96111	4	11.404	244213	20.0
4H-Cyclopenta[d...	12.022	16.0	ng	195098	4	11.404	244213	20.0
Naphthalene, 2-...	12.198	4.4	ng	53935	4	11.404	244213	20.0
9,10-Anthracene...	12.233	6.5	ng	79527	4	11.404	244213	20.0
Phenanthrene, 2...	12.457	4.6	ng	56166	4	11.404	244213	20.0
unknown12.492	12.492	4.4	ng	53982	4	11.404	244213	20.0
Cyclopenta(def)...	12.545	4.5	ng	54749	4	11.404	244213	20.0
6-Quinoxalinol,...	12.686	2.5	ng	30041	4	11.404	244213	20.0
Fluoranthene, 2...	13.175	3.6	ng	175389	5	14.051	961749	20.0
Pyrene, 1-methyl-	13.280	2.5	ng	121301	5	14.051	961749	20.0
Benzo[b]naphtho...	13.798	2.5	ng	121077	5	14.051	961749	20.0
4,5-Dihydrobenz...	14.945	4.2	ng	46430	6	15.545	220227	20.0
Dinaphtho[1,2-b...	15.316	2.6	ng	28313	6	15.545	220227	20.0
Benzo[e]pyrene	15.421	17.5	ng	192680	6	15.545	220227	20.0
unknown15.998	15.998	2.3	ng	25193	6	15.545	220227	20.0
Benzo[a]naphtha...	17.239	2.6	ng	28184	6	15.545	220227	20.0