LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
Data File : BF126352.D
Acq On : 23 Dec 2021 19:17
Operator : JU/CG
Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126352.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.016	494	498	508	rVB	41392	50711	2.09%	0.140%
2	5.422	563	567	585	rVB	1714089	1698171	69.90%	4.672%
3	6.439	736	740	752	rVB	1881929	1804055	74.26%	4.964%
4	6.816	800	804	807	rBV	716910	562503	23.15%	1.548%
5	7.375	890	899	902	rBV	1328535	1134043	46.68%	3.120%
6	8.098	1017	1022	1024	rBV	794740	685169	28.20%	1.885%
7	8.116	1024	1025	1028	rVB	97752	77431	3.19%	0.213%
8	8.698	1121	1124	1127	rBV	82414	72756	2.99%	0.200%
9	8.810	1141	1143	1147	rVB	78619	61940	2.55%	0.170%
10	8.910	1157	1160	1164	rVB	74449	60953	2.51%	0.168%
11	9.127	1194	1197	1201	rVB	55694	48370	1.99%	0.133%
12	9.175	1201	1205	1208	rBV	1999479	1561167	64.26%	4.295%
13	9.263	1216	1220	1225	rBV2	129853	156090	6.42%	0.429%
14	9.433	1246	1249	1254	rVV2	41908	62494	2.57%	0.172%
15	9.510	1259	1262	1265	rVV	101438	104478	4.30%	0.287%
16	9.539	1265	1267	1269	rVV	62112	49874	2.05%	0.137%
17	9.580	1269	1274	1276	rVV4	70680	84904	3.49%	0.234%
18	9.627	1280	1282	1287	rVB2	48023	54824	2.26%	0.151%
19	9.710	1294	1296	1301	rBV	110100	106598	4.39%	0.293%
20	9.792	1307	1310	1314	rVB	96496	79203	3.26%	0.218%
21	9.851	1314	1320	1323	rBV	783468	651532	26.82%	1.793%
22	9.886	1323	1326	1329	rVB	182177	158701	6.53%	0.437%
23	10.057	1352	1355	1358	rBV	179499	152890	6.29%	0.421%
24	10.263	1386	1390	1392	rBV2	44387	51563	2.12%	0.142%
25	10.286	1392	1394	1398	rVB	77783	71260	2.93%	0.196%
26	10.398	1410	1413	1419	rBV	355116	304891	12.55%	0.839%
27	10.463	1419	1424	1426	rVV3	48323	67478	2.78%	0.186%
28	10.486	1426	1428	1430	rVV3	57215	52636	2.17%	0.145%
29	10.510	1430	1432	1434	rVV	80450	71449	2.94%	0.197%
30	10.557	1437	1440	1444	rVB	95475	92723	3.82%	0.255%
31	10.639	1450	1454	1458	rBV	905908	799992	32.93%	2.201%
32	10.763	1472	1475	1483	rVB3	119076	184721	7.60%	0.508%
33	10.951	1502	1507	1509	rBV3	86170	96256	3.96%	0.265%
34	10.974	1509	1511	1514	rVV2	62643	51396	2.12%	0.141%
35	11.098	1530	1532	1537	rVB3	52099	50757	2.09%	0.140%
36	11.139	1537	1539	1544	rVB2	75051	72674	2.99%	0.200%

LSC Area Percent Report

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Operator : JU/CG
Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.204	1544	1550	1553	rBV3	350014	390151	16.06%	1.073%
38	11.233	1553	1555	1558	rVV	201665	201568	8.30%	0.555%
39	11.263	1558	1560	1564	rVB	81621	64424	2.65%	0.177%
40	11.339	1569	1573	1575	rBV	738873	698415	28.75%	1.922%
41	11.363	1575	1577	1580	rVV	2232376	2070291	85.22%	5.696%
42	11.416	1580	1586	1589	rVV	722605	666384	27.43%	1.833%
43	11.445	1589	1591	1595	rVB2	69933	66033	2.72%	0.182%
44	11.568	1606	1612	1614	rBV	225916	224835	9.25%	0.619%
45	11.639	1621	1624	1627	rBV2	106527	87648	3.61%	0.241%
46	11.668	1627	1629	1635	rVB2	66599	62397	2.57%	0.172%
47	11.745	1638	1642	1646	rVB3	44211	75675	3.11%	0.208%
48	11.839	1655	1658	1660	rVV	328209	271059	11.16%	0.746%
49	11.868	1660	1663	1667	rVB	473307	397640	16.37%	1.094%
50	11.916	1667	1671	1674	rBV2	163162	189160	7.79%	0.520%
51	11.951	1674	1677	1680	rVV	445811	535527	22.04%	1.473%
52	11.974	1680	1681	1686	rVB	230294	144224	5.94%	0.397%
53	12.045	1690	1693	1696	rVB2	89527	72530	2.99%	0.200%
54	12.139	1705	1709	1711	rBV	207109	193396	7.96%	0.532%
55	12.157	1711	1712	1718	rVB2	114321	89263	3.67%	0.246%
56	12.286	1731	1734	1737	rVB	71550	52949	2.18%	0.146%
57	12.316	1737	1739	1741	rBV	84971	84455	3.48%	0.232%
58	12.392	1748	1752	1755	rBV2	175972	209154	8.61%	0.575%
59	12.433	1755	1759	1763	rVB4	142706	210256	8.65%	0.578%
60	12.474	1763	1766	1771	rVB2	99221	123897	5.10%	0.341%
61	12.557	1775	1780	1783	rBV	2578996	2429463	100.00%	6.684%
62	12.580	1783	1784	1793	rVV6	219399	369153	15.19%	1.016%
63	12.645	1793	1795	1798	rVB	65198	60441	2.49%	0.166%
64	12.704	1803	1805	1808	rVV	100919	98011	4.03%	0.270%
65	12.786	1812	1819	1821	rBV2	1969875	2243702	92.35%	6.173%
66	12.804	1821	1822	1824	rVV2	113111	70501	2.90%	0.194%
67	12.827	1824	1826	1832	rVB2	113264	140963	5.80%	0.388%
68	12.898	1835	1838	1840	rBV	130631	143431	5.90%	0.395%
69	12.927	1840	1843	1850	rVB	1875815	1767565	72.76%	4.863%
70	12.998	1851	1855	1859	rBV2	171142	282248	11.62%	0.777%
71	13.027	1859	1860	1863	rVB	80622	59638	2.45%	0.164%
72	13.086	1867	1870	1871	rVV3	73556	66044	2.72%	0.182%
73	13.110	1871	1874	1877	rVB	483925	420196	17.30%	1.156%
74	13.174	1881	1885	1888	rBV2	364999	368900	15.18%	1.015%
75	13.210	1888	1891	1894	rBV2	226821	259768	10.69%	0.715%
76	13.304	1905	1907	1910	rVB	99991	76104	3.13%	0.209%

LSC Area Percent Report

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Data File : BF126352.D
Acq On : 23 Dec 2021 19:17
Operator : JU/CG
Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021

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
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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.333	1910	1912	1916	rBV2	98807	98449	4.05%	0.271%
78	13.410	1922	1925	1931	rVB2	231716	217909	8.97%	0.600%
79	13.510	1939	1942	1944	rBV3	140467	135704	5.59%	0.373%
80	13.586	1953	1955	1957	rBV3	65233	70798	2.91%	0.195%
81	13.727	1974	1979	1981	rBV3	190483	266827	10.98%	0.734%
82	13.757	1981	1984	1986	rVV	252994	224295	9.23%	0.617%
83	13.780	1986	1988	1992	rVB2	110229	131220	5.40%	0.361%
84	13.898	2006	2008	2010	rBV	78216	87773	3.61%	0.241%
85	13.974	2017	2021	2025	rBV3	1386593	1879130	77.35%	5.170%
86	14.010	2025	2027	2030	rVB	771946	572308	23.56%	1.575%
87	14.086	2038	2040	2043	rVB	176826	153451	6.32%	0.422%
88	14.339	2080	2083	2085	rBV	145445	169436	6.97%	0.466%
89	14.368	2086	2088	2091	rVB3	231462	236113	9.72%	0.650%
90	14.462	2101	2104	2106	rBV2	178232	164553	6.77%	0.453%
91	14.586	2122	2125	2128	rVB	439835	381035	15.68%	1.048%
92	14.951	2184	2187	2193	rVB	200040	250530	10.31%	0.689%
93	15.015	2194	2198	2201	rBV2	628703	957754	39.42%	2.635%
94	15.251	2233	2238	2243	rVB	253863	491667	20.24%	1.353%
95	15.309	2245	2248	2254	rVB2	354679	452362	18.62%	1.245%
96	15.374	2255	2259	2265	rVV	461060	579939	23.87%	1.596%
97	15.433	2265	2269	2272	rVV	390920	474006	19.51%	1.304%
98	15.468	2272	2275	2280	rVB2	198093	322448	13.27%	0.887%
99	16.074	2375	2378	2383	rVB	165024	206247	8.49%	0.567%
100	16.868	2509	2513	2521	rVB2	187287	338357	13.93%	0.931%

Sum of corrected areas: 36346423

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
Data File : BF126352.D
Acq On : 23 Dec 2021 19:17
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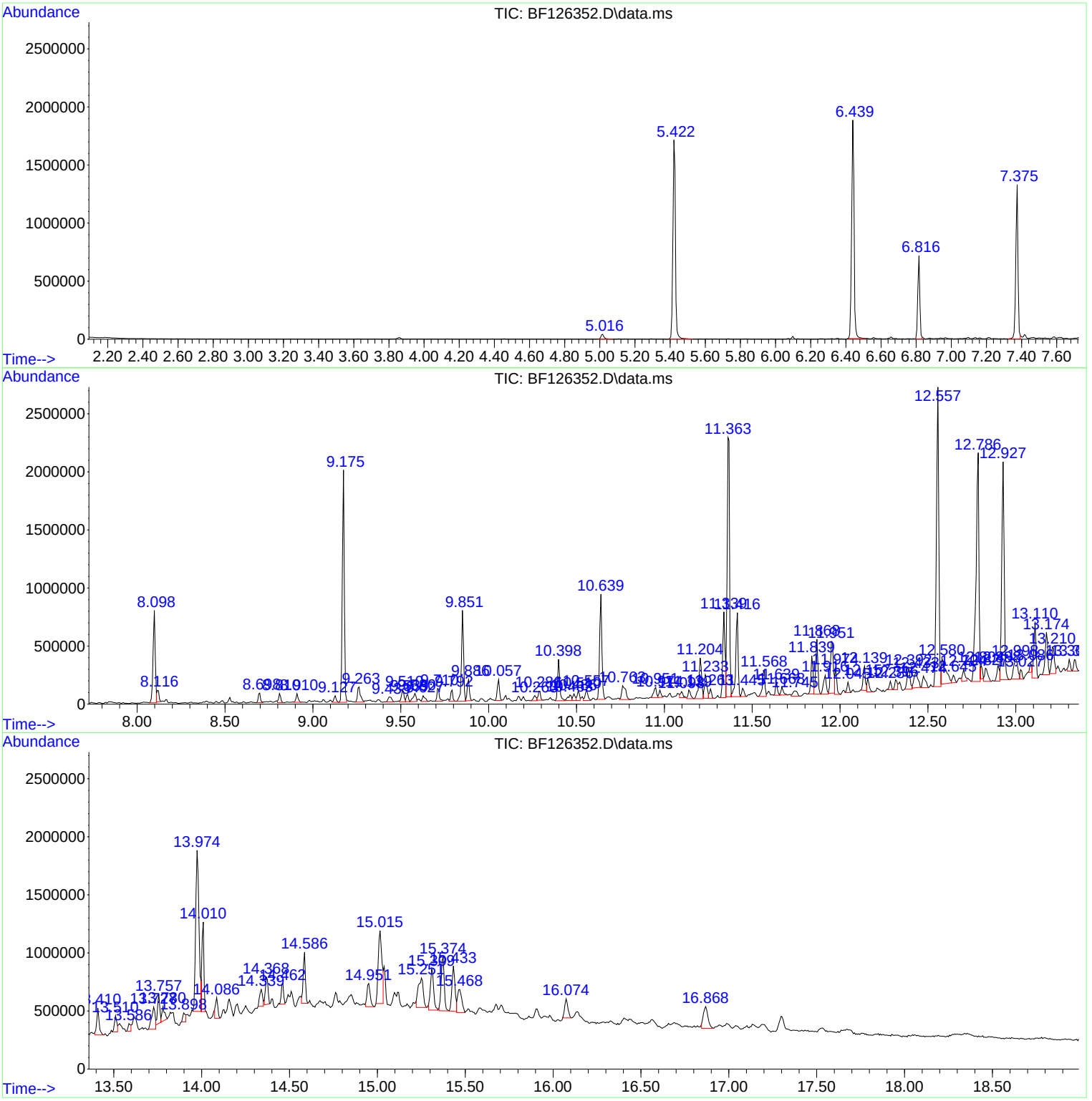
Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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\BF122321\
Data File : BF126352.D
Acq On : 23 Dec 2021 19:17
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Misc :
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

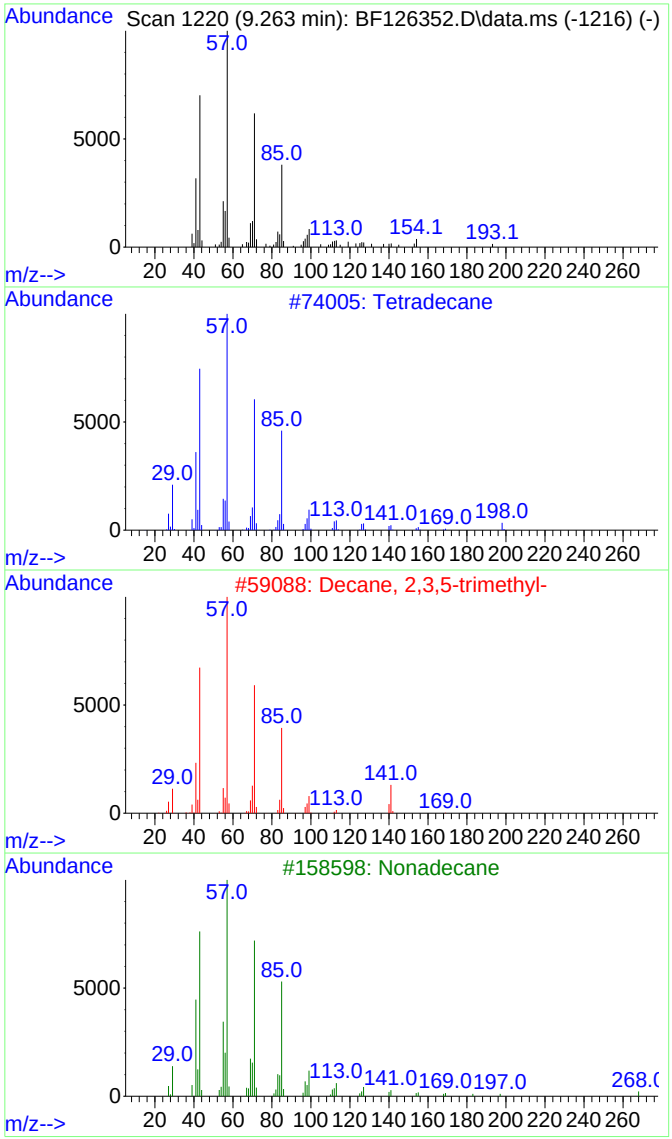
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

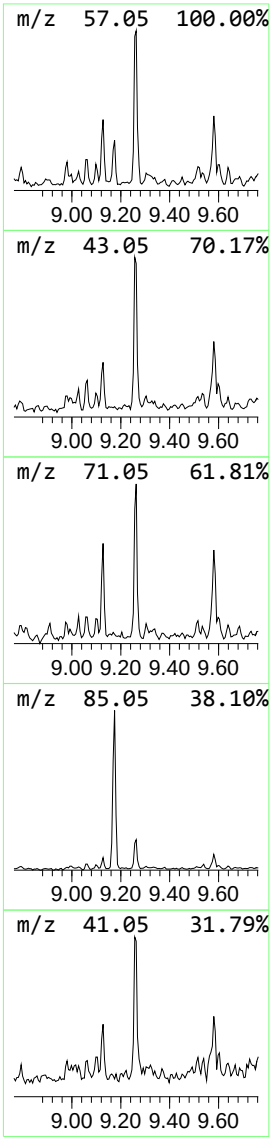
****

Peak Number 1 Tetradecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.263	4.79 ng	156090	Acenaphthene-d10	9.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
3	Nonadecane	268	C19H40	000629-92-5	80
4	Sulfurous acid, decyl pentyl ester	292	C15H32O3S	1000309-14-3	72
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
Data File : BF126352.D
Acq On : 23 Dec 2021 19:17
Operator : JU/CG
Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

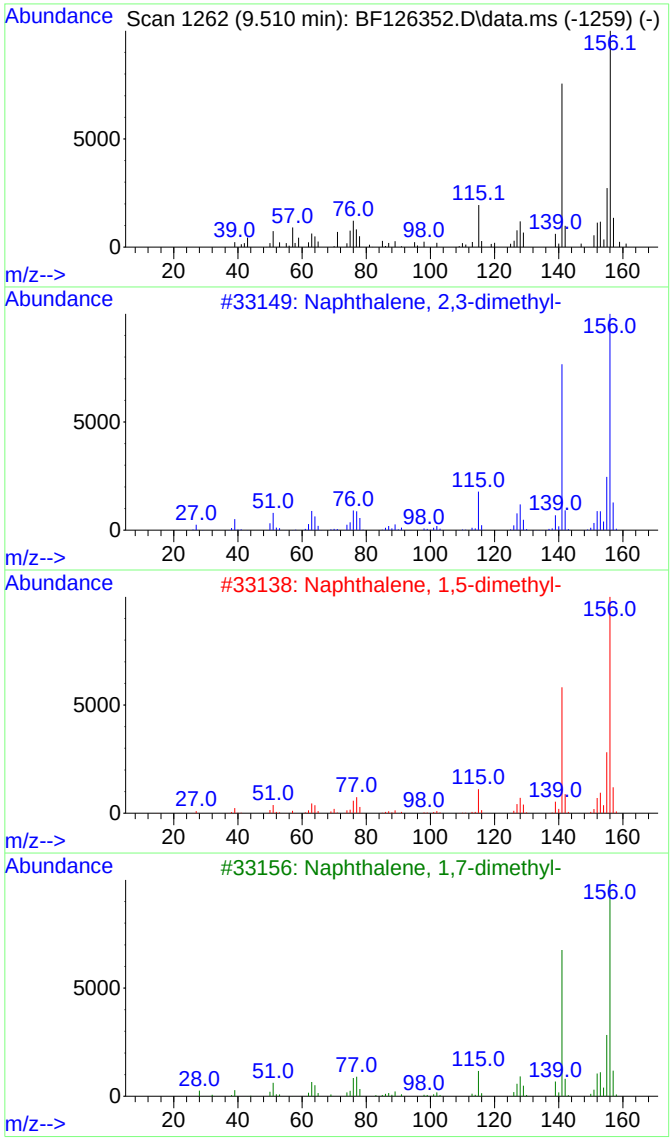
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

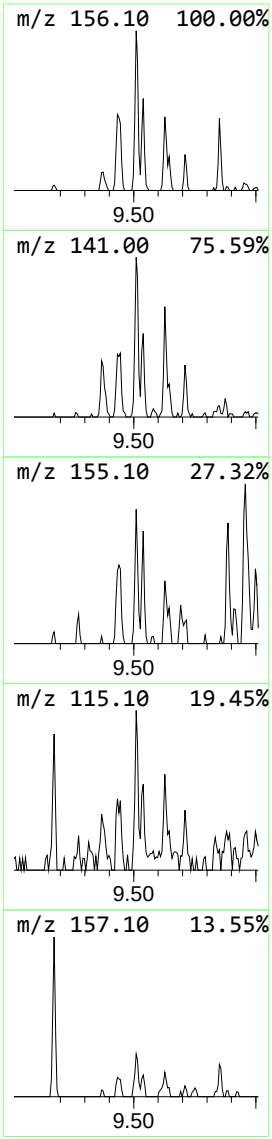
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.510	3.21 ng	104478	Acenaphthene-d10	9.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
Data File : BF126352.D
Acq On : 23 Dec 2021 19:17
Operator : JU/CG
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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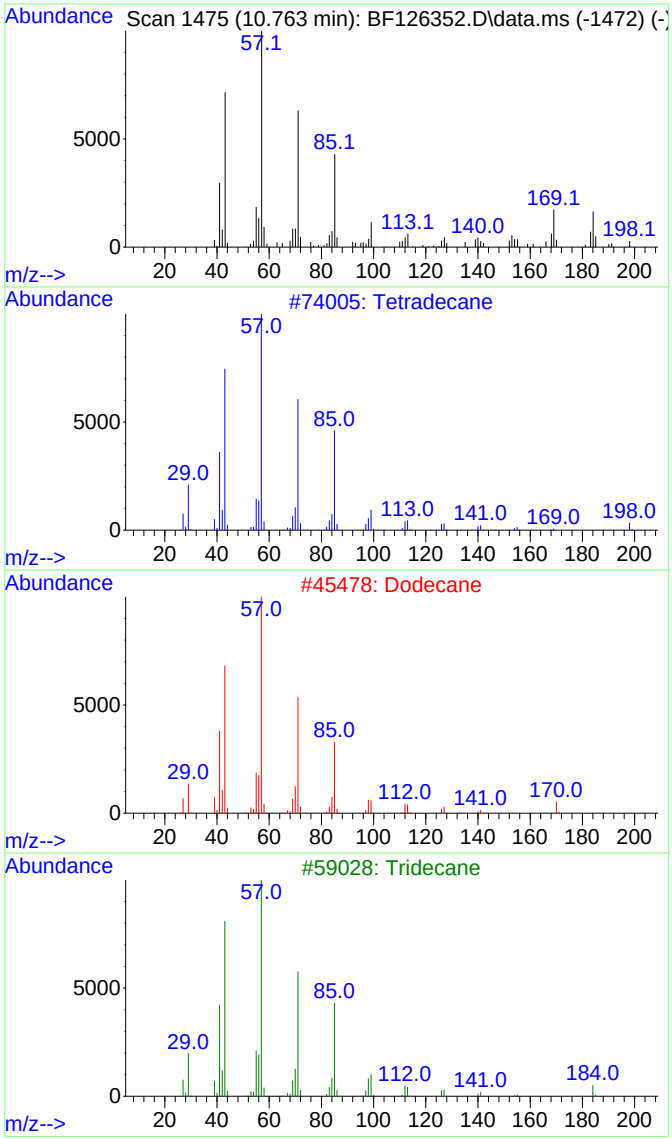
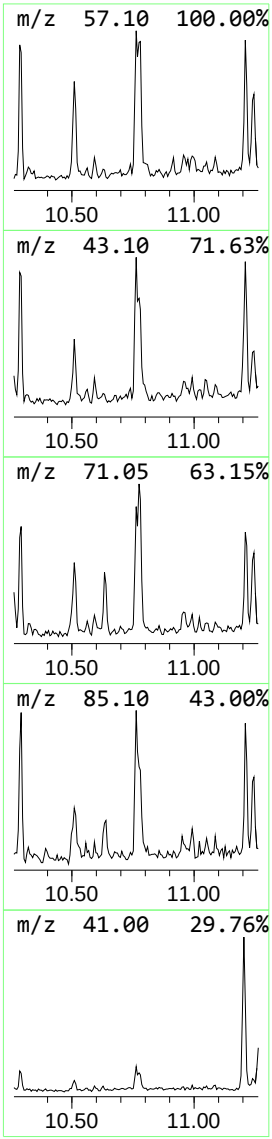
Peak Number 3 Dodecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.763	5.29 ng	184721	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Dodecane	170	C12H26	000112-40-3	76
3	Tridecane	184	C13H28	000629-50-5	76
4	Nonadecane	268	C19H40	000629-92-5	68
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
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Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
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TP-(0-3.5)-12-21-2021

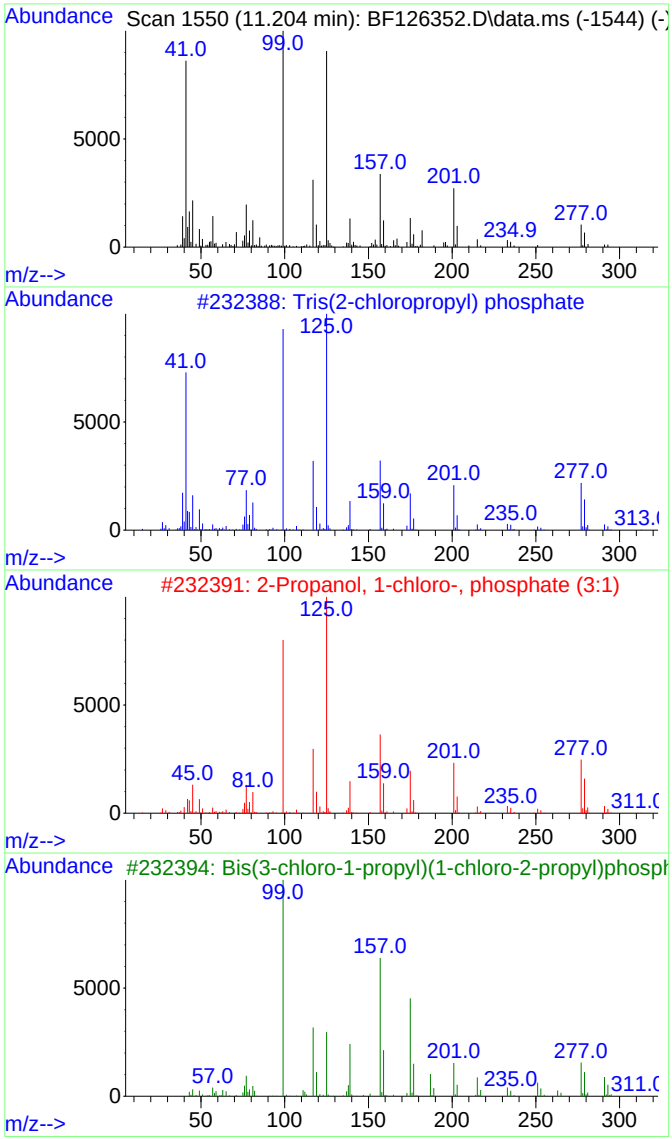
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

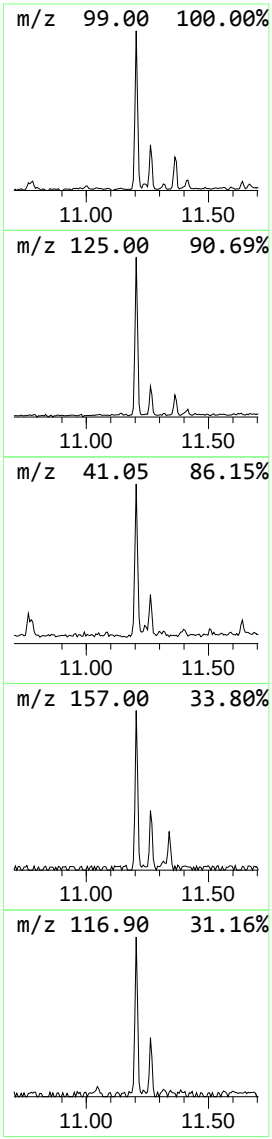
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Tris(2-chloropropyl) phosphate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.204	11.17 ng	390151	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tris(2-chloropropyl) phosphate	326	C9H18Cl3O4P	006145-73-9	91
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	87
3	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	40
4	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	38
5	Triisopropylphosphate	224	C9H21O4P	000513-02-0	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
Data File : BF126352.D
Acq On : 23 Dec 2021 19:17
Operator : JU/CG
Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

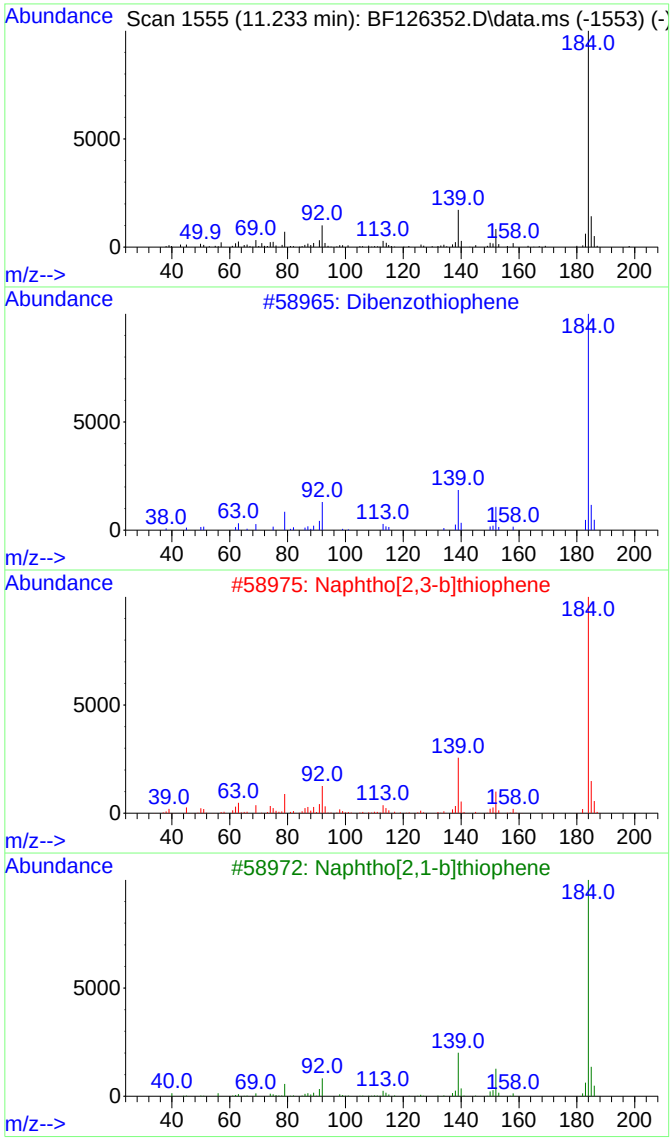
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

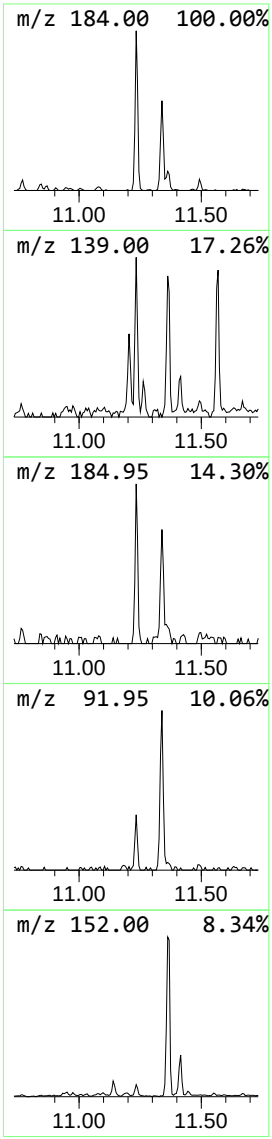
****

Peak Number 5 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	5.77 ng	201568	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Operator : JU/CG
Sample : M5191-01
Misc :
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Instrument :
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ClientSampleId :
TP-(0-3.5)-12-21-2021

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

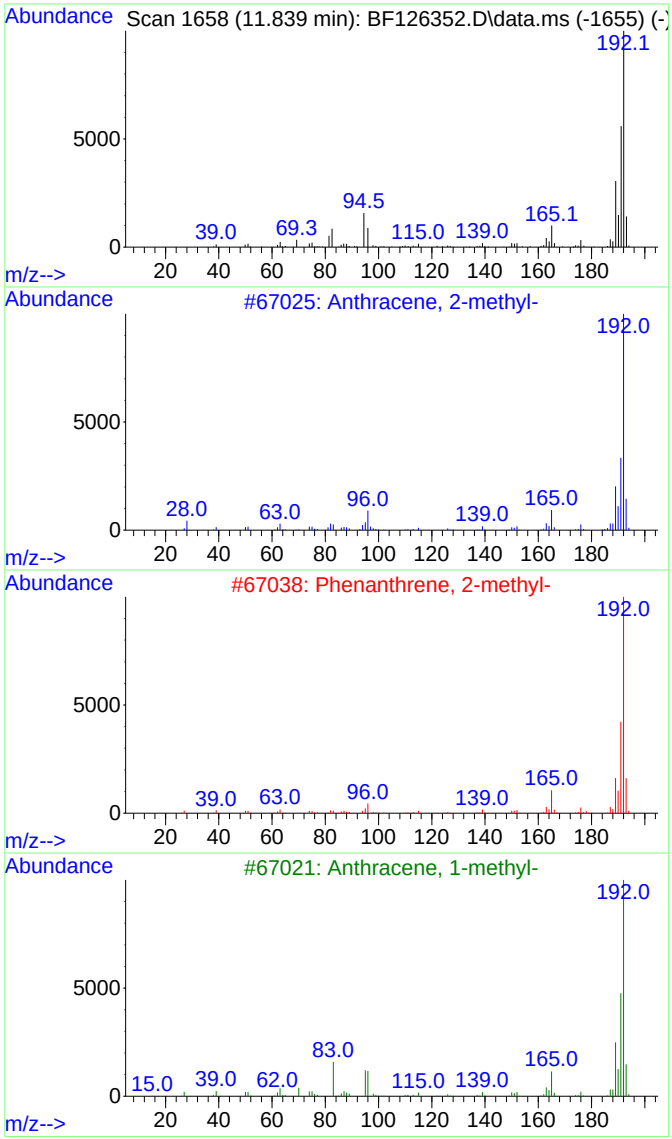
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

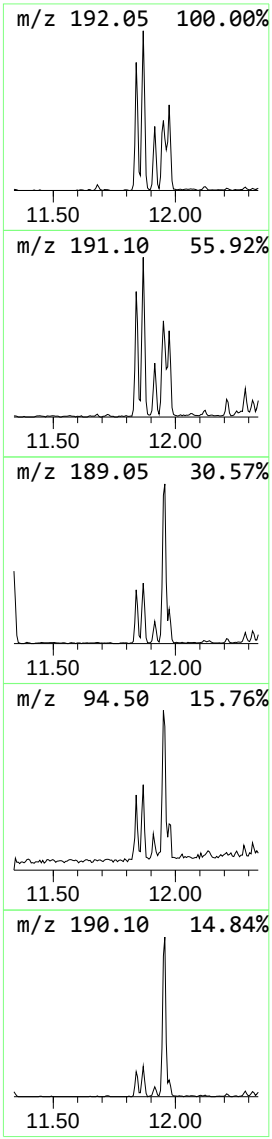
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	7.76 ng	271059	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91





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Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

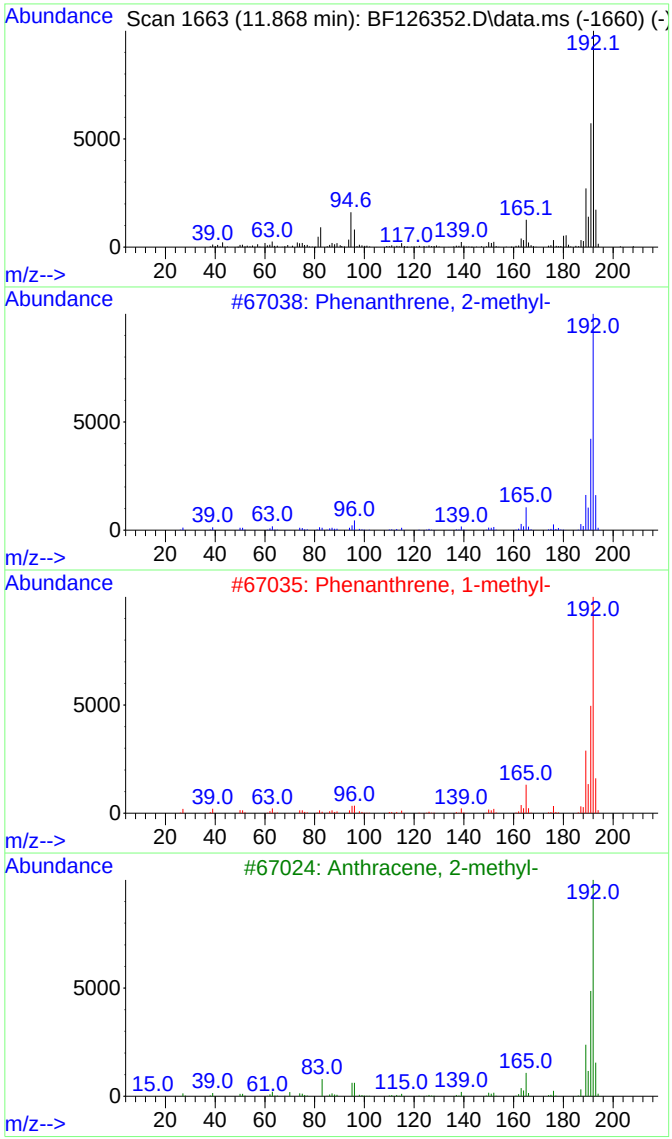
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

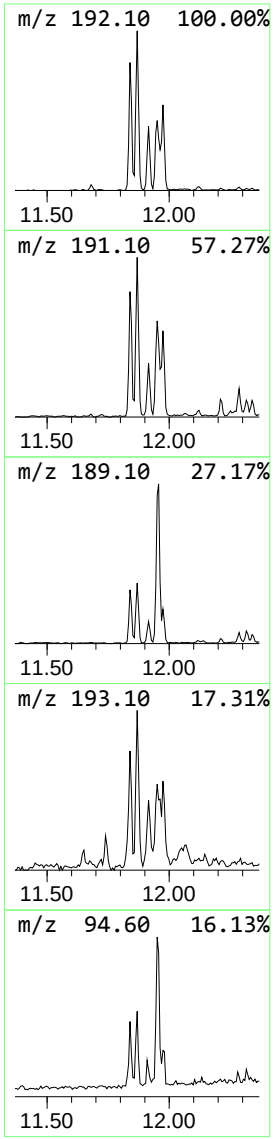
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.868	11.39 ng	397640	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-(0-3.5)-12-21-2021

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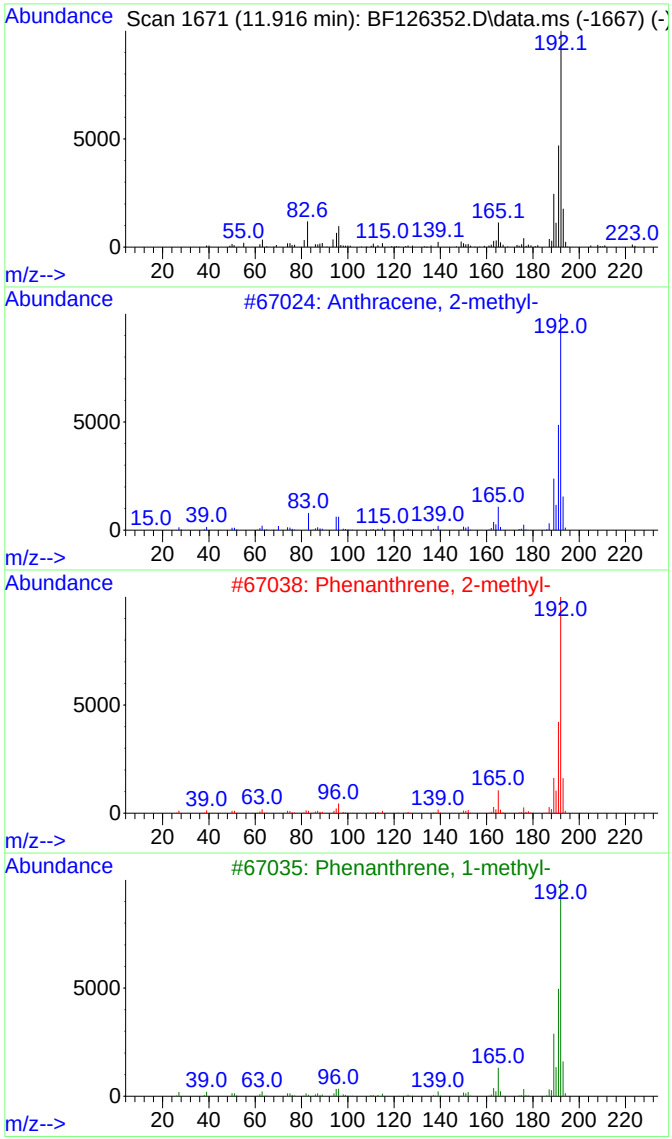
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

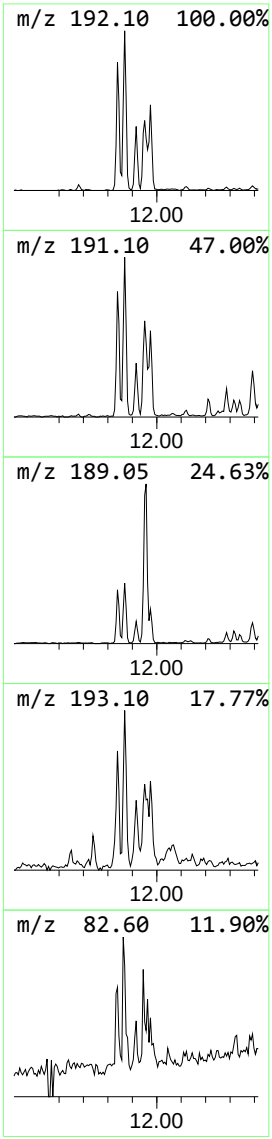
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	5.42 ng	189160	Phenanthrene-d10	11.339

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	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Operator : JU/CG
Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-(0-3.5)-12-21-2021

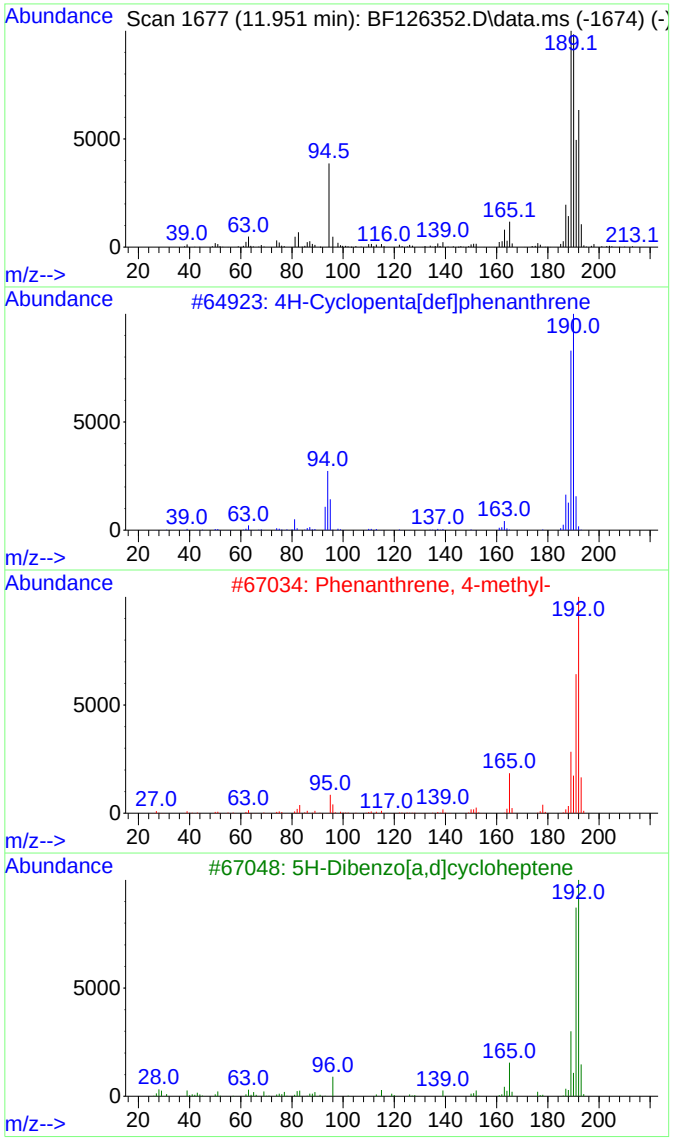
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

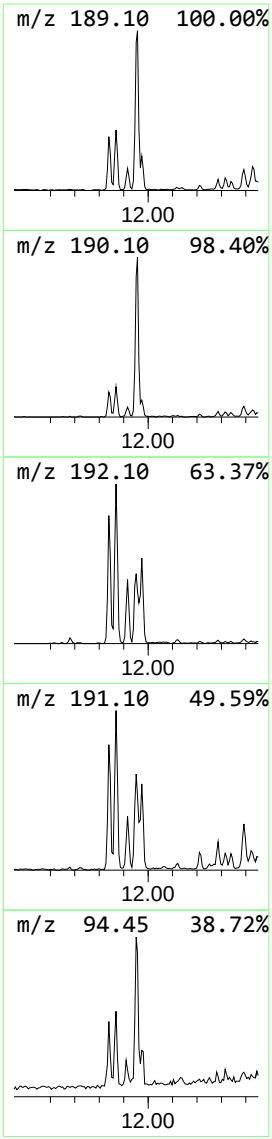
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.951	15.34 ng	535527	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	25





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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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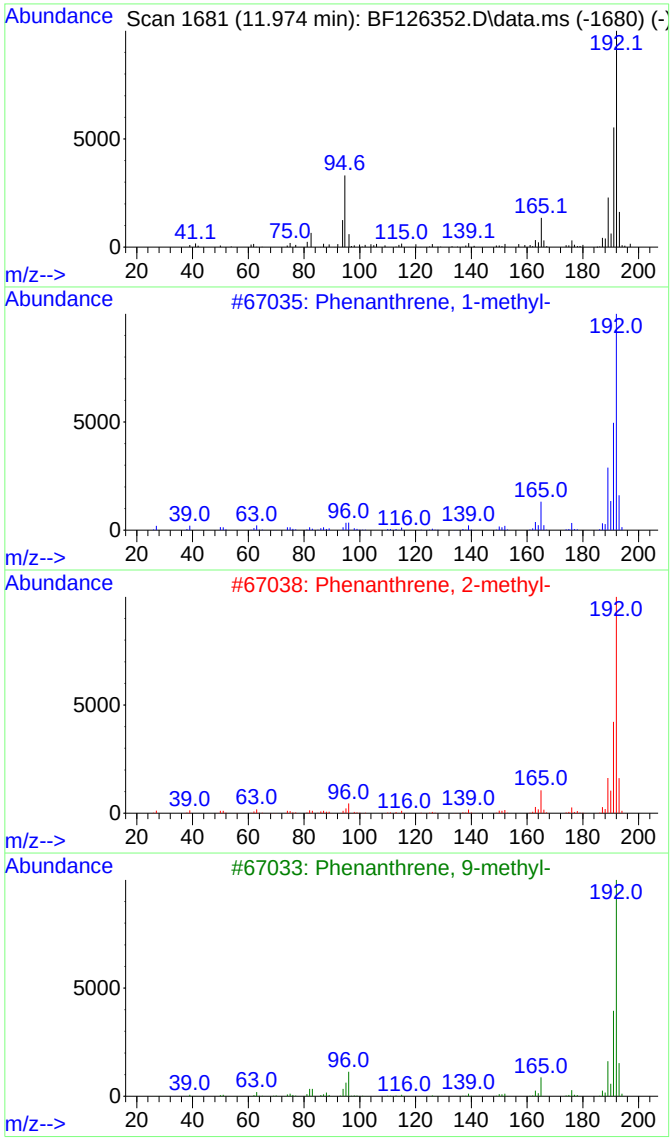
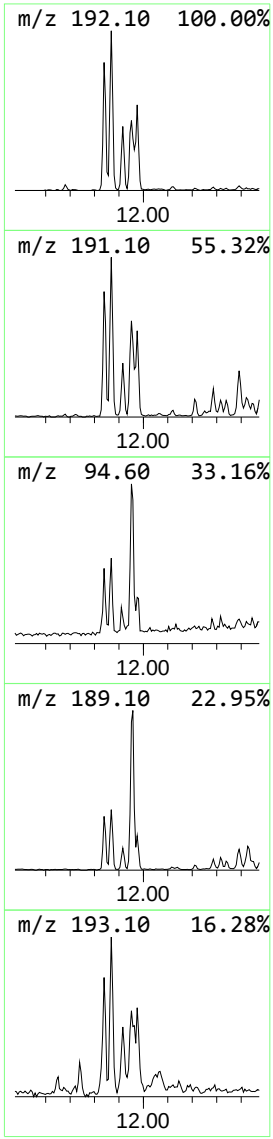
Peak Number 10 Phenanthrene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	4.13 ng	144224	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	70
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64





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ALS Vial : 15 Sample Multiplier: 1

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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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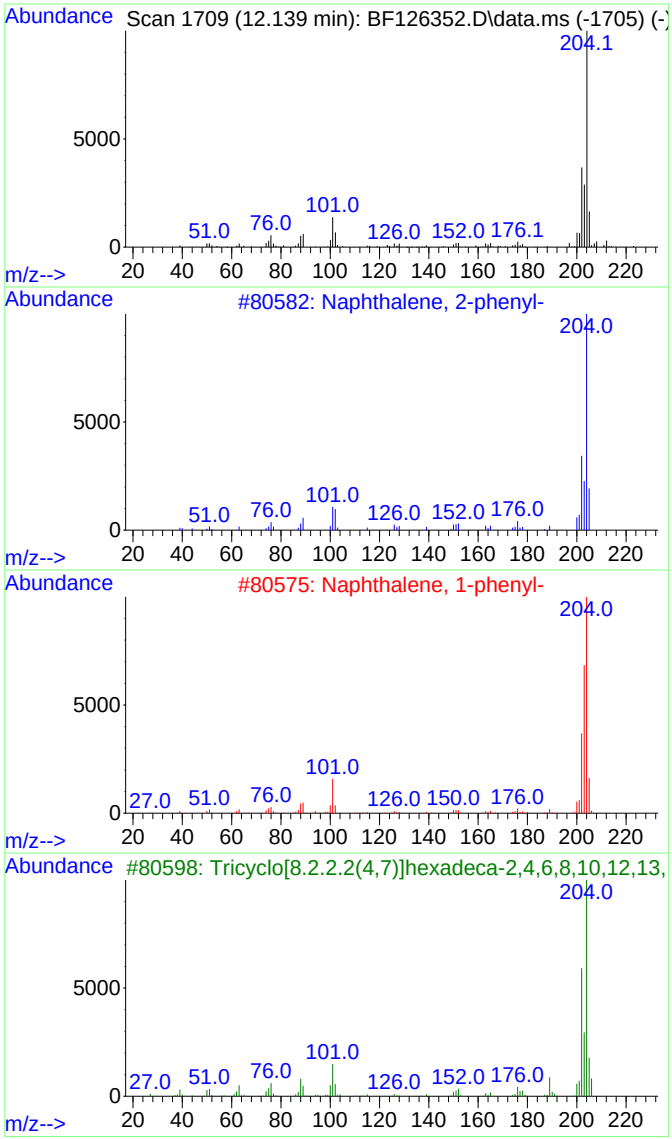
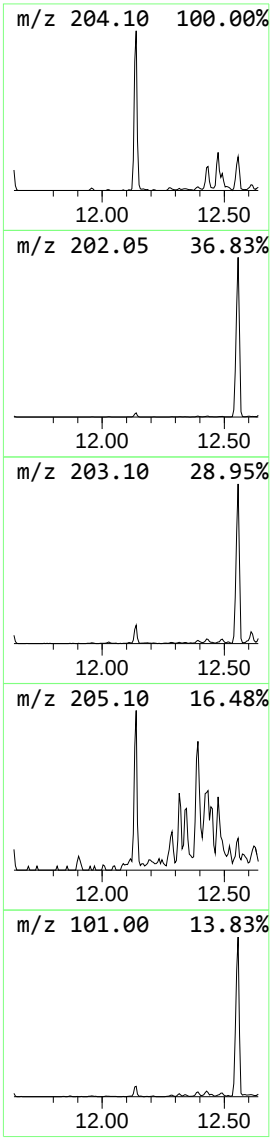
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.139	5.54 ng	193396	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	80
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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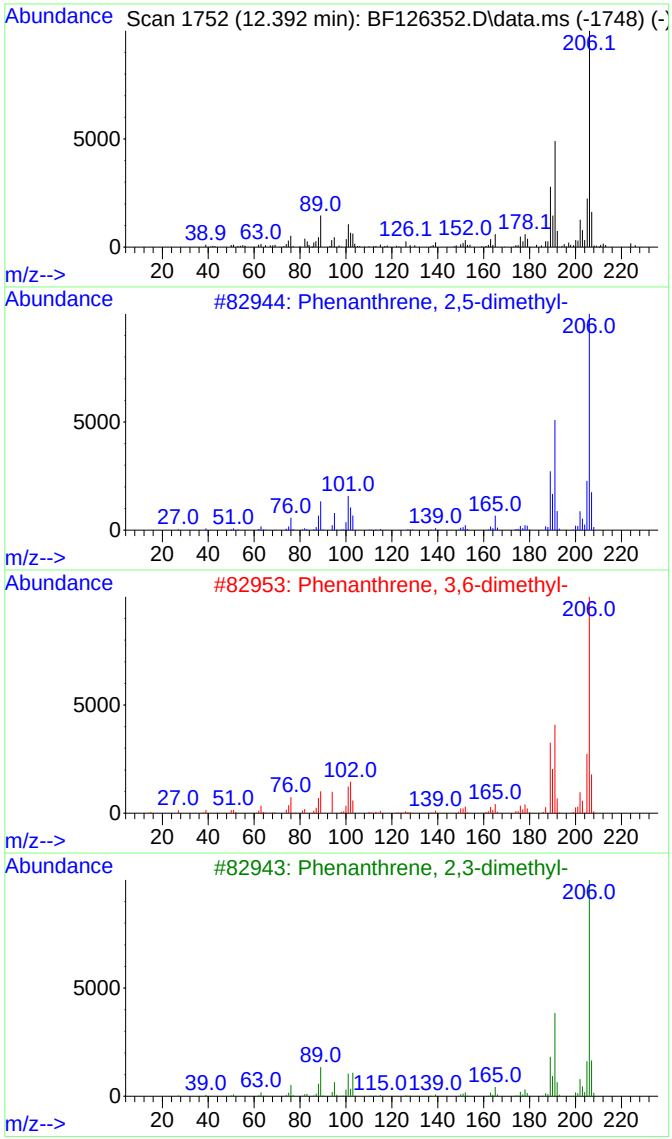
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

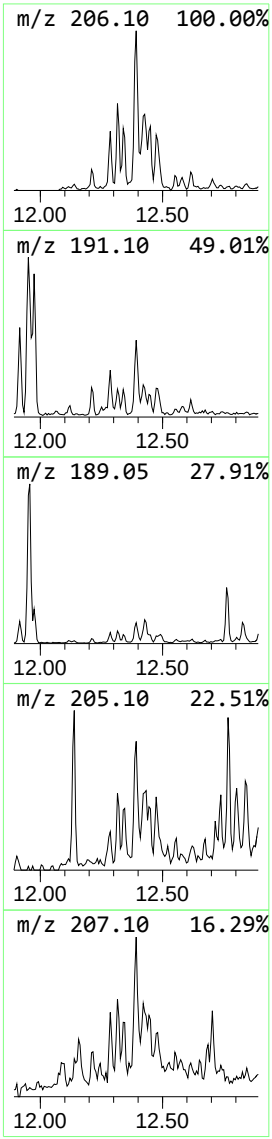
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.392	5.99 ng	209154	Phenanthrene-d10	11.339

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	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	91





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ALS Vial : 15 Sample Multiplier: 1

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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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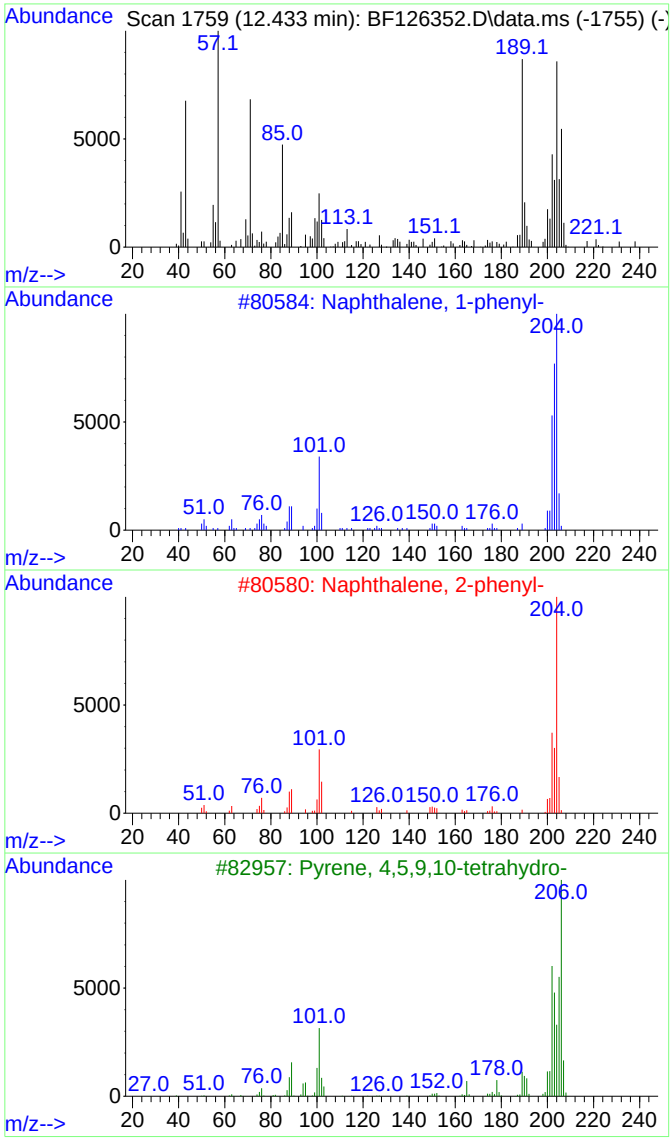
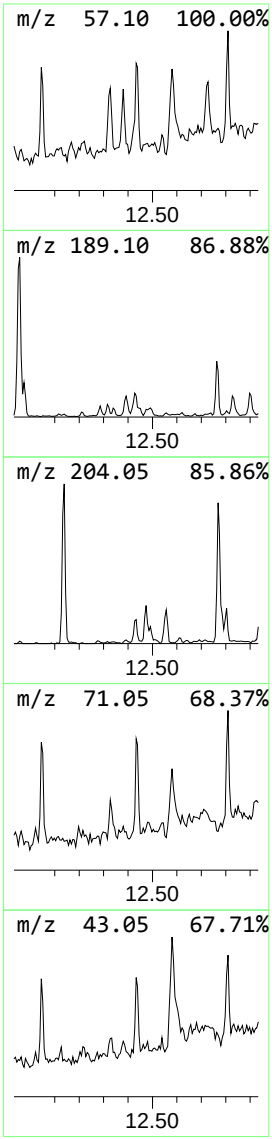
Peak Number 13 unknown12.433 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	6.02 ng	210256	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	25
4	Tetradecane	198	C14H30	000629-59-4	15
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	15





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ClientSampleId :
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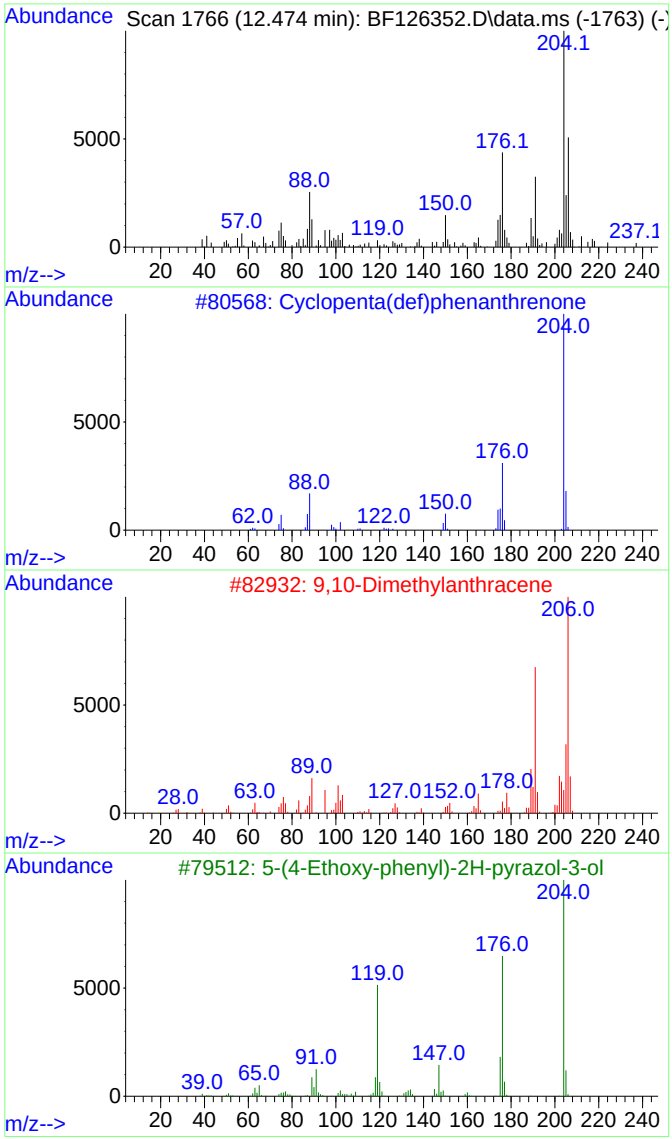
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

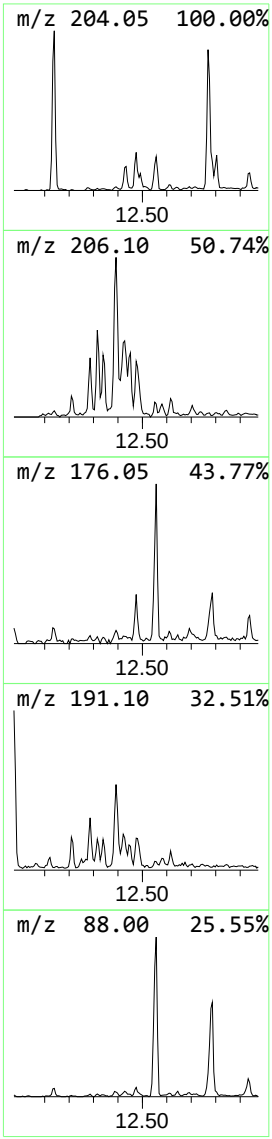
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.474	3.55 ng	123897	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	51
3	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	43
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	30





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ALS Vial : 15 Sample Multiplier: 1

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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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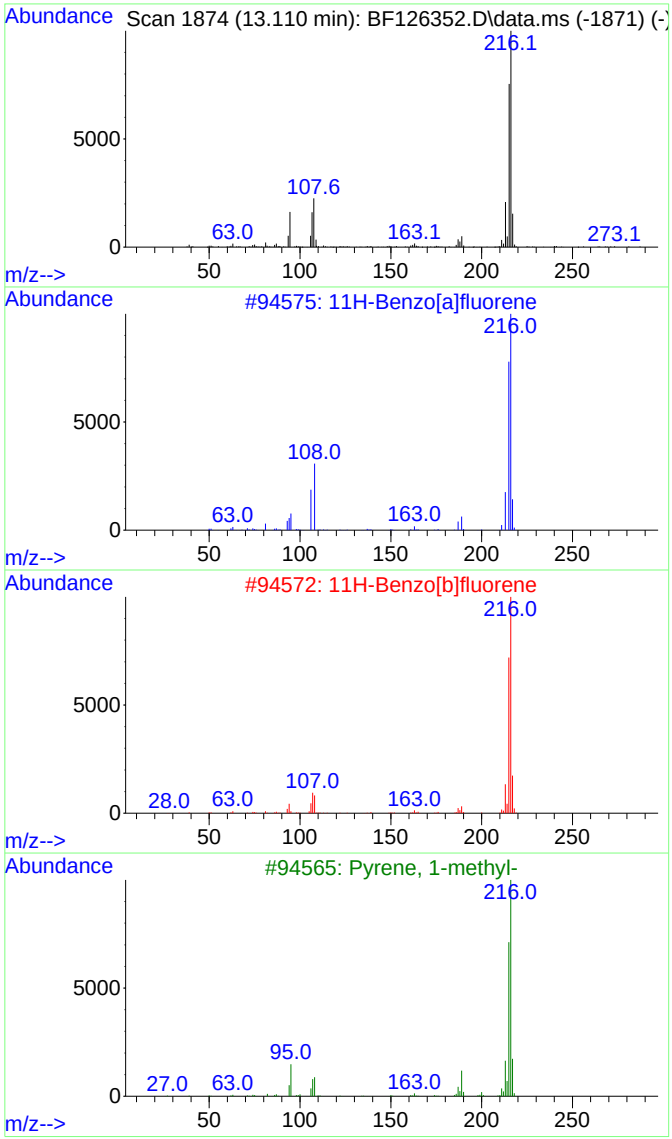
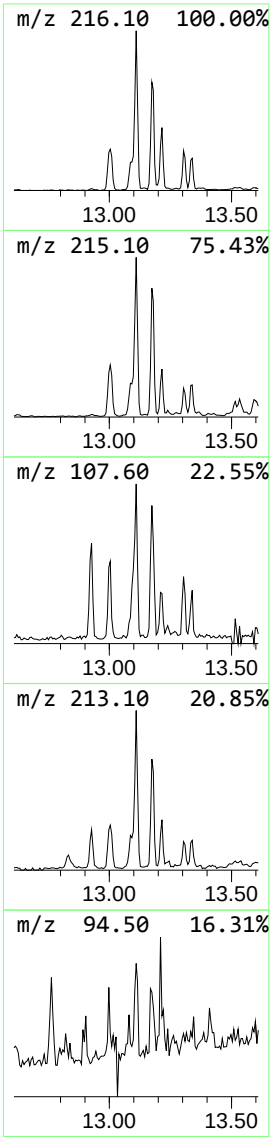
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.110	4.47 ng	420196	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68





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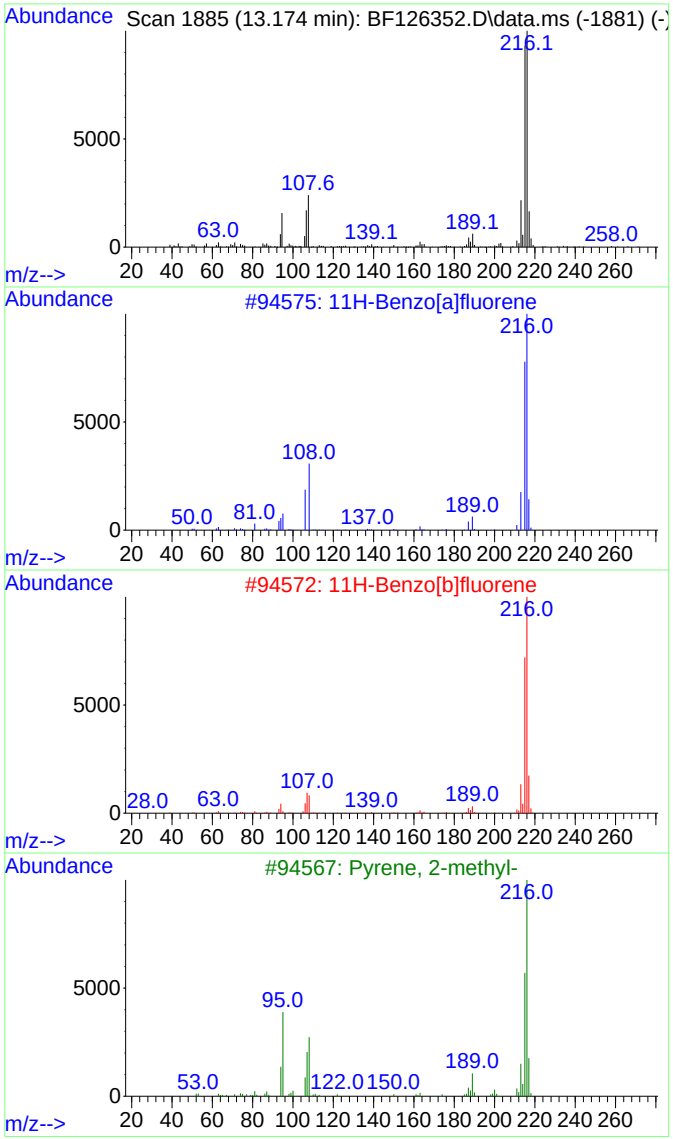
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

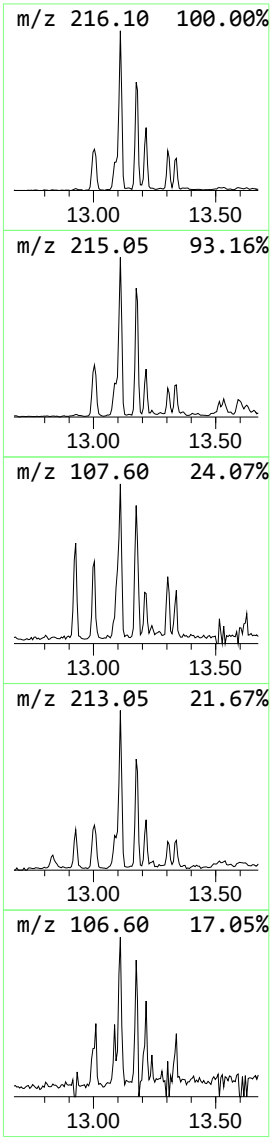
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	3.93 ng	368900	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	53
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53





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Acq On : 23 Dec 2021 19:17
Operator : JU/CG
Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021

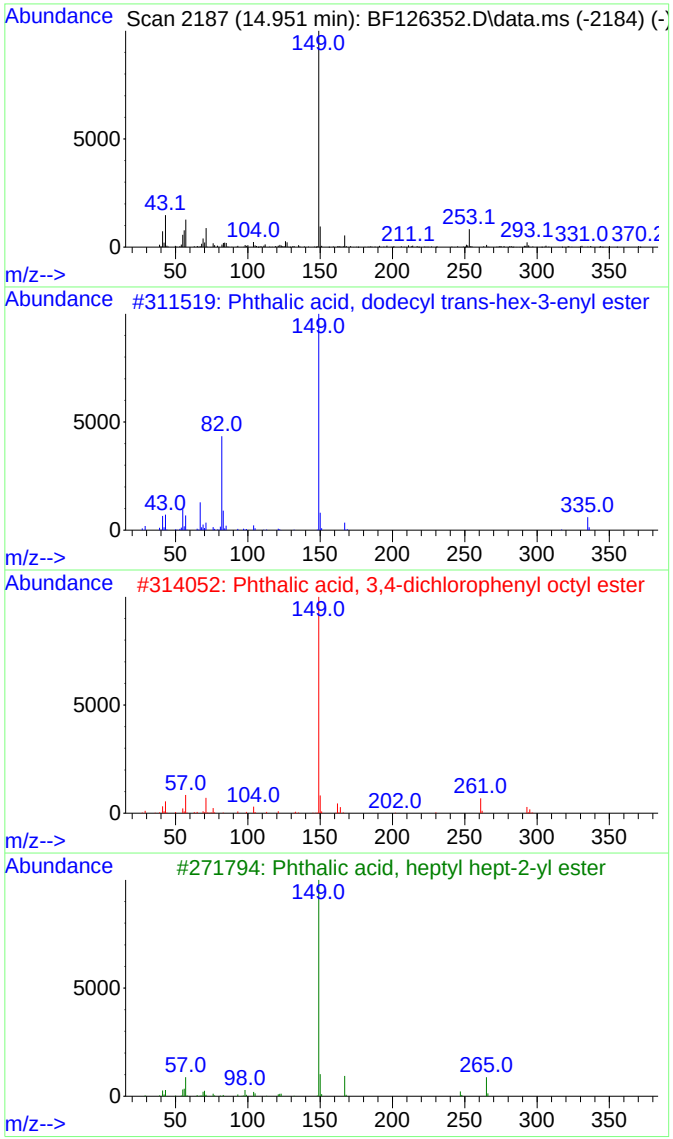
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

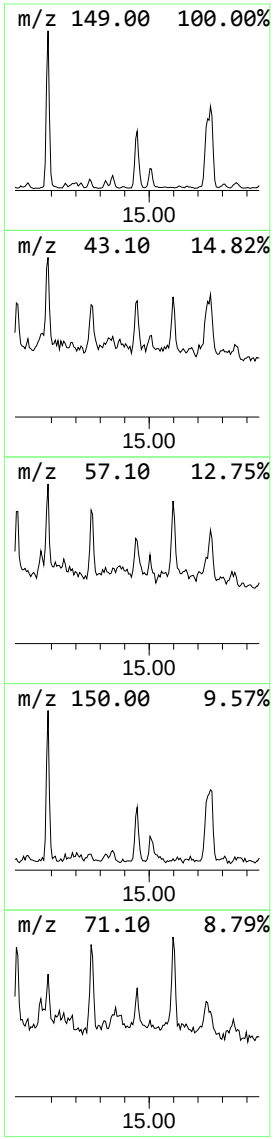
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Phthalic acid, dodecyl tran... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.951	10.57 ng	250530	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, dodecyl trans-hex...	416	C26H40O4	1000360-49-0	72
2	Phthalic acid, 3,4-dichloropheny...	422	C22H24Cl2O4	1000315-27-7	64
3	Phthalic acid, heptyl hept-2-yl ...	362	C22H34O4	1000356-97-4	64
4	Phthalic acid, cyclobutyl undecy...	374	C23H34O4	1000314-90-6	64
5	Phthalic acid, 6-methylhept-2-yl...	460	C29H48O4	1010377-96-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
Data File : BF126352.D
Acq On : 23 Dec 2021 19:17
Operator : JU/CG
Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
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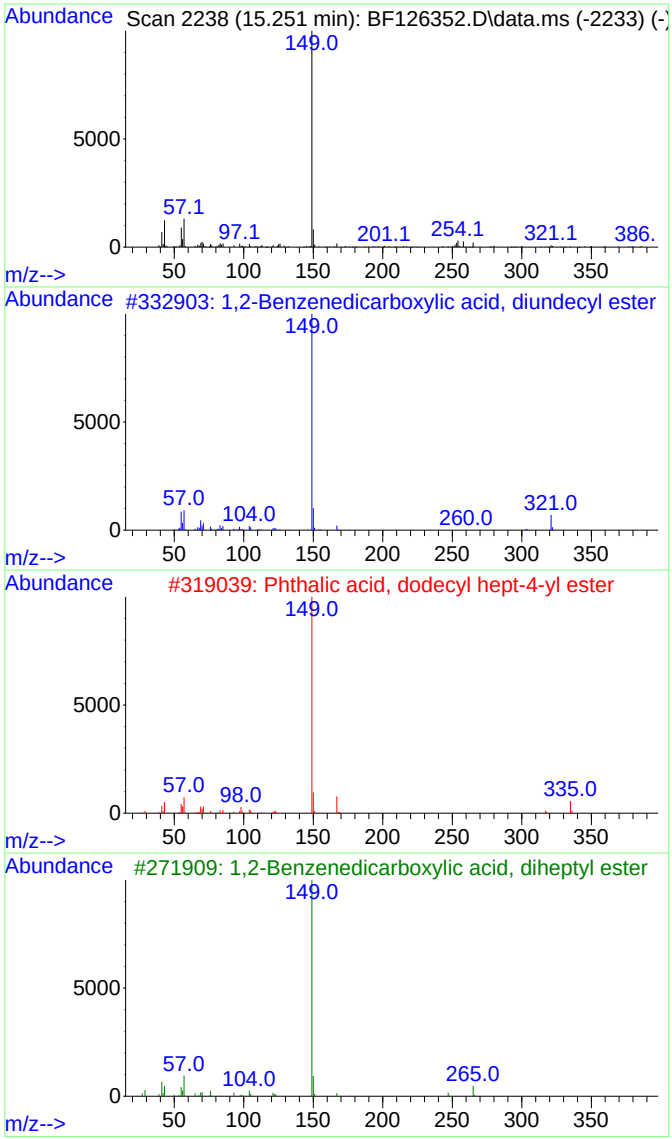
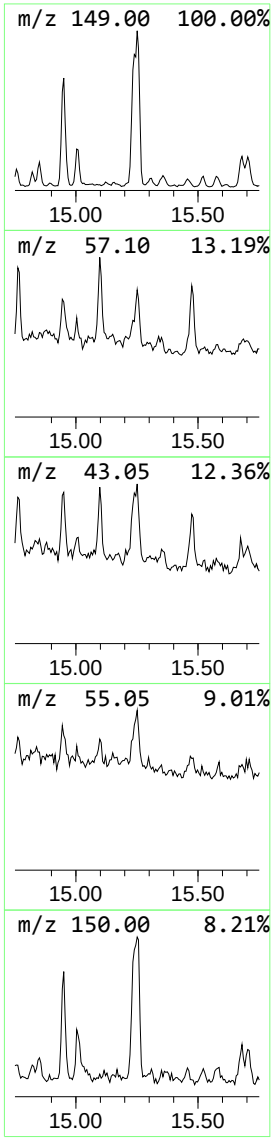
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1,2-Benzenedicarboxylic aci... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.251	20.75 ng	491667	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	474	C30H50O4	003648-20-2	80
2	Phthalic acid, dodecyl hept-4-yl...	432	C27H44O4	1000356-79-3	72
3	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	72
4	Phthalic acid, hept-2-yl tridecy...	446	C28H46O4	1000356-98-0	72
5	Phthalic acid, decyl 2-fluorophe...	400	C24H29FO4	1000356-36-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
Data File : BF126352.D
Acq On : 23 Dec 2021 19:17
Operator : JU/CG
Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

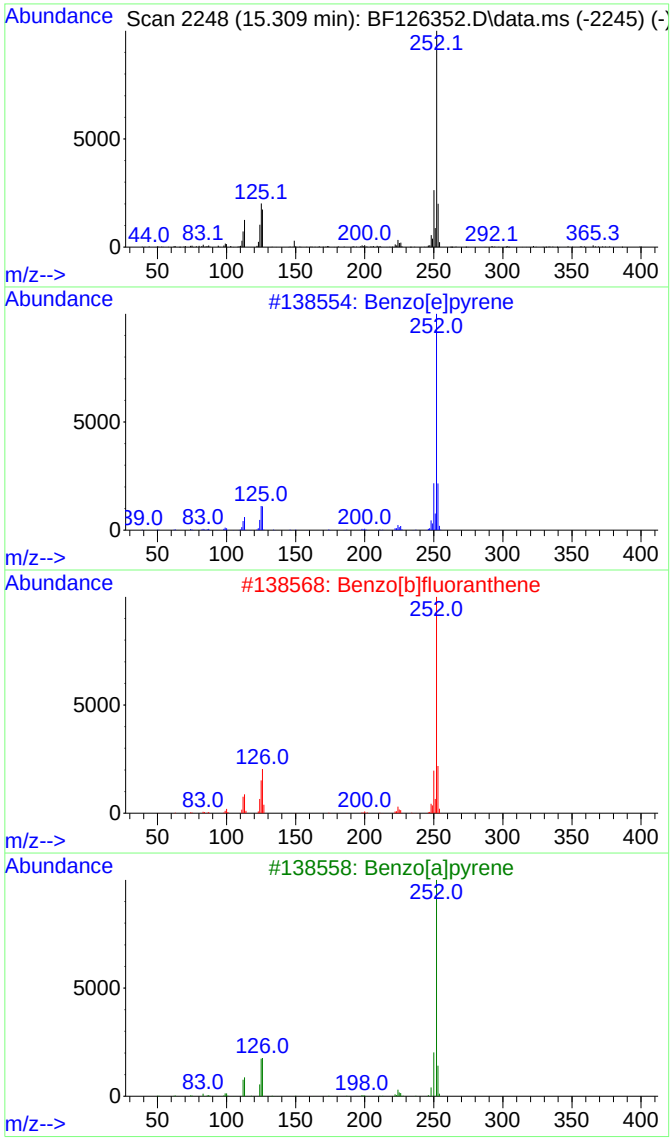
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

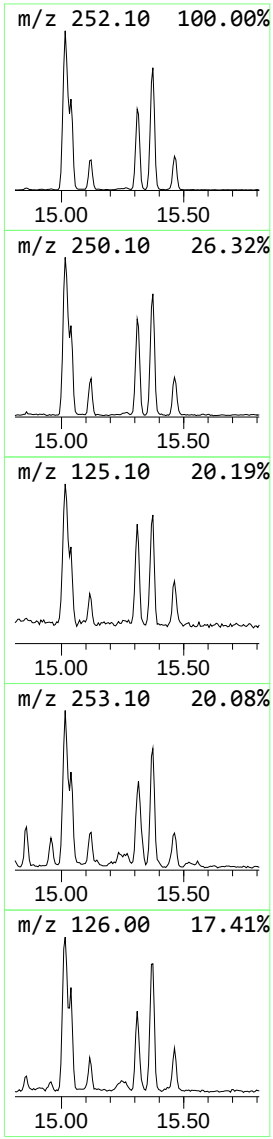
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.309	19.09 ng	452362	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021

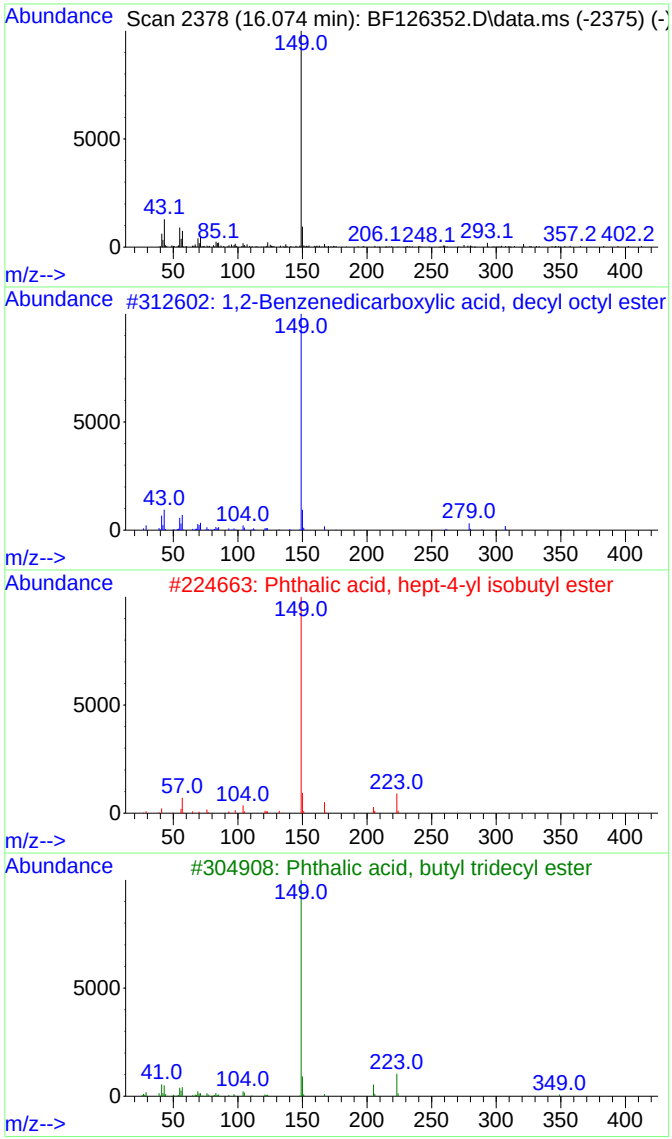
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

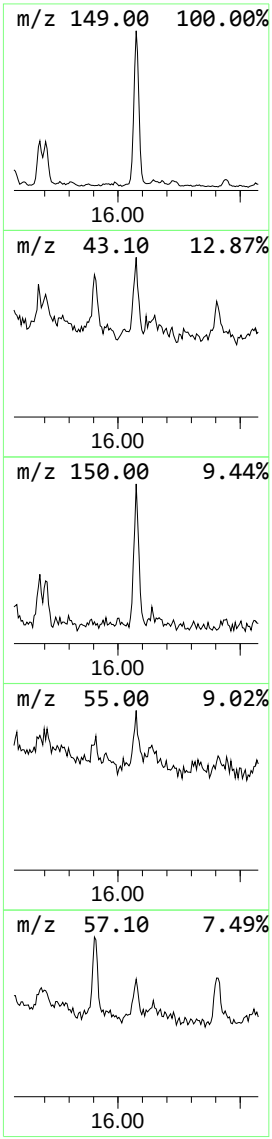
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1,2-Benzenedicarboxylic aci... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.074	8.70 ng	206247	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, de...	418	C26H42O4	000119-07-3	72
2	Phthalic acid, hept-4-yl isobuty...	320	C19H28O4	1000356-78-3	64
3	Phthalic acid, butyl tridecyl ester	404	C25H40O4	1000308-99-3	64
4	Phthalic acid, cyclohexylmethyl ...	444	C28H44O4	1000314-92-2	64
5	Phthalic acid, 6-methylhept-2-yl...	404	C25H40O4	1000377-96-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
Data File : BF126352.D
Acq On : 23 Dec 2021 19:17
Operator : JU/CG
Sample : M5191-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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
Tetradecane	9.263	4.8	ng	156090	3	9.851	651532	20.0
Naphthalene, 2,...	9.510	3.2	ng	104478	3	9.851	651532	20.0
Dodecane	10.763	5.3	ng	184721	4	11.339	698415	20.0
Tris(2-chloropr...	11.204	11.2	ng	390151	4	11.339	698415	20.0
Dibenzothiophene	11.233	5.8	ng	201568	4	11.339	698415	20.0
Anthracene, 2-m...	11.839	7.8	ng	271059	4	11.339	698415	20.0
Phenanthrene, 2...	11.868	11.4	ng	397640	4	11.339	698415	20.0
Phenanthrene, 1...	11.916	5.4	ng	189160	4	11.339	698415	20.0
4H-Cyclopenta[d...	11.951	15.3	ng	535527	4	11.339	698415	20.0
Phenanthrene, 9...	11.974	4.1	ng	144224	4	11.339	698415	20.0
Naphthalene, 2-...	12.139	5.5	ng	193396	4	11.339	698415	20.0
Phenanthrene, 2...	12.392	6.0	ng	209154	4	11.339	698415	20.0
unknown12.433	12.433	6.0	ng	210256	4	11.339	698415	20.0
Cyclopenta(def)...	12.474	3.5	ng	123897	4	11.339	698415	20.0
11H-Benzo[a]flu...	13.110	4.5	ng	420196	5	13.980	1879130	20.0
11H-Benzo[b]flu...	13.174	3.9	ng	368900	5	13.980	1879130	20.0
Phthalic acid, ...	14.951	10.6	ng	250530	6	15.433	474006	20.0
1,2-Benzenedica...	15.251	20.8	ng	491667	6	15.433	474006	20.0
Benzo[e]pyrene	15.309	19.1	ng	452362	6	15.433	474006	20.0
1,2-Benzenedica...	16.074	8.7	ng	206247	6	15.433	474006	20.0