LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115807.D
Acq On : 27 Jul 2019 00:31
Operator : HP/JU
Sample : K3620-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-072519-A

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	3	8	21	rVB	351221	469007	26.17%	1.853%
2	5.487	574	578	601	rBV	1288420	1395166	77.86%	5.511%
3	6.493	745	749	770	rBV	1326644	1501078	83.77%	5.929%
4	6.640	770	774	782	rBV	1800948	1534567	85.64%	6.062%
5	6.869	809	813	822	rBV	1114182	911509	50.87%	3.600%
6	7.028	836	840	852	rBV	1386186	1288632	71.91%	5.090%
7	7.428	904	908	920	rBV	887852	944851	52.73%	3.732%
8	8.151	1027	1031	1038	rBV	1122316	1099740	61.37%	4.344%
9	8.963	1166	1169	1177	rVB	17536	20093	1.12%	0.079%
10	9.222	1209	1213	1225	rBV	1837611	1791954	100.00%	7.078%
11	9.563	1268	1271	1274	rBV	26696	26710	1.49%	0.106%
12	9.616	1277	1280	1288	rVV	249259	284575	15.88%	1.124%
13	9.681	1288	1291	1300	rVB	17347	24537	1.37%	0.097%
14	9.763	1302	1305	1310	rBV	48596	45465	2.54%	0.180%
15	9.904	1325	1329	1344	rBV	1352276	1297662	72.42%	5.126%
16	10.104	1359	1363	1367	rBV3	16421	20738	1.16%	0.082%
17	10.222	1379	1383	1386	rBV2	17773	20327	1.13%	0.080%
18	10.310	1394	1398	1400	rBV3	16598	20373	1.14%	0.080%
19	10.451	1419	1422	1428	rVB2	36752	45976	2.57%	0.182%
20	10.692	1459	1463	1475	rBV	604163	729084	40.69%	2.880%
21	10.816	1479	1484	1490	rVB4	28188	42854	2.39%	0.169%
22	10.998	1510	1515	1518	rBV2	30378	41536	2.32%	0.164%
23	11.028	1518	1520	1523	rVB	24948	23805	1.33%	0.094%
24	11.128	1532	1537	1539	rBV3	13953	19844	1.11%	0.078%
25	11.245	1553	1557	1560	rBV5	14911	23701	1.32%	0.094%
26	11.286	1561	1564	1571	rVB	40964	41688	2.33%	0.165%
27	11.386	1577	1581	1584	rBV	1201100	1219328	68.04%	4.816%
28	11.410	1584	1585	1592	rVV	416973	343278	19.16%	1.356%
29	11.463	1592	1594	1598	rVV	96804	92571	5.17%	0.366%
30	11.504	1598	1601	1603	rVB2	18851	20652	1.15%	0.082%
31	11.622	1618	1621	1628	rBV4	23861	49049	2.74%	0.194%
32	11.680	1628	1631	1634	rVV2	27946	27406	1.53%	0.108%
33	11.722	1634	1638	1643	rVB	37674	42365	2.36%	0.167%
34	11.804	1649	1652	1656	rVB	22516	25089	1.40%	0.099%

LSC Area Percent Report

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Data File : BF115807.D
Acq On : 27 Jul 2019 00:31
Operator : HP/JU
Sample : K3620-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-072519-A

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.892	1663	1667	1669	rBV	117984	120724	6.74%	0.477%
36	11.916	1669	1671	1677	rVV	163408	178047	9.94%	0.703%
37	11.969	1677	1680	1682	rVV	46550	51018	2.85%	0.202%
38	11.998	1682	1685	1688	rVV2	168724	209872	11.71%	0.829%
39	12.022	1688	1689	1694	rVB	94203	84139	4.70%	0.332%
40	12.086	1696	1700	1704	rVV4	12095	18480	1.03%	0.073%
41	12.122	1704	1706	1709	rVV	25852	21589	1.20%	0.085%
42	12.186	1713	1717	1719	rVV	67054	74401	4.15%	0.294%
43	12.210	1719	1721	1727	rVB3	40914	54599	3.05%	0.216%
44	12.316	1736	1739	1740	rBV3	22758	19326	1.08%	0.076%
45	12.333	1740	1742	1745	rVV	45566	40949	2.29%	0.162%
46	12.369	1745	1748	1750	rVV	59918	61813	3.45%	0.244%
47	12.392	1750	1752	1754	rVB	44300	34801	1.94%	0.137%
48	12.439	1756	1760	1763	rBV	153249	161192	9.00%	0.637%
49	12.474	1763	1766	1769	rVV2	89017	125642	7.01%	0.496%
50	12.527	1772	1775	1779	rBV2	65591	91624	5.11%	0.362%
51	12.598	1784	1787	1792	rBV	605101	603044	33.65%	2.382%
52	12.645	1792	1795	1797	rVV	34061	38330	2.14%	0.151%
53	12.663	1797	1798	1801	rVV2	28684	23851	1.33%	0.094%
54	12.698	1801	1804	1806	rVV	32359	26188	1.46%	0.103%
55	12.757	1811	1814	1816	rVV	35075	31376	1.75%	0.124%
56	12.827	1821	1826	1833	rBV	640346	747485	41.71%	2.953%
57	12.886	1833	1836	1840	rVB2	67319	72788	4.06%	0.288%
58	12.969	1840	1850	1859	rBV	1773826	1725146	96.27%	6.814%
59	13.045	1859	1863	1871	rBV4	82492	143582	8.01%	0.567%
60	13.104	1871	1873	1875	rBV2	30179	23107	1.29%	0.091%
61	13.133	1875	1878	1879	rBV2	61794	54717	3.05%	0.216%
62	13.157	1879	1882	1885	rVB	137783	141485	7.90%	0.559%
63	13.204	1887	1890	1891	rBV3	21705	21669	1.21%	0.086%
64	13.221	1891	1893	1896	rBV	66016	58913	3.29%	0.233%
65	13.263	1897	1900	1903	rBV2	122286	114497	6.39%	0.452%
66	13.357	1913	1916	1918	rBV	86423	75780	4.23%	0.299%
67	13.386	1918	1921	1924	rVV	97455	88033	4.91%	0.348%
68	13.421	1924	1927	1930	rVB4	30471	31875	1.78%	0.126%
69	13.669	1966	1969	1973	rVB	59983	77496	4.32%	0.306%
70	13.727	1977	1979	1982	rBV	33754	25597	1.43%	0.101%
71	13.774	1983	1987	1990	rBV2	70629	112846	6.30%	0.446%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3620-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-072519-A

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.804	1990	1992	1994	rVV	50356	42396	2.37%	0.167%
73	13.827	1994	1996	2000	rVV2	38242	56952	3.18%	0.225%
74	13.874	2002	2004	2008	rVB3	46291	59571	3.32%	0.235%
75	14.027	2025	2030	2033	rBV2	1215462	1416027	79.02%	5.593%
76	14.051	2033	2034	2042	rVB	322397	238645	13.32%	0.943%
77	14.133	2046	2048	2050	rVB	43783	31063	1.73%	0.123%
78	14.374	2087	2089	2091	rBV2	39700	40396	2.25%	0.160%
79	14.445	2099	2101	2104	rBV	49615	45301	2.53%	0.179%
80	14.539	2114	2117	2119	rBV	66191	65759	3.67%	0.260%
81	14.868	2171	2173	2177	rBV2	55951	53676	3.00%	0.212%
82	15.068	2203	2207	2214	rBV	236878	435422	24.30%	1.720%
83	15.368	2256	2258	2265	rVB	156052	198041	11.05%	0.782%
84	15.433	2265	2269	2275	rBV	224624	302549	16.88%	1.195%
85	15.498	2275	2280	2292	rVV	863188	1259348	70.28%	4.974%

Sum of corrected areas: 25316377

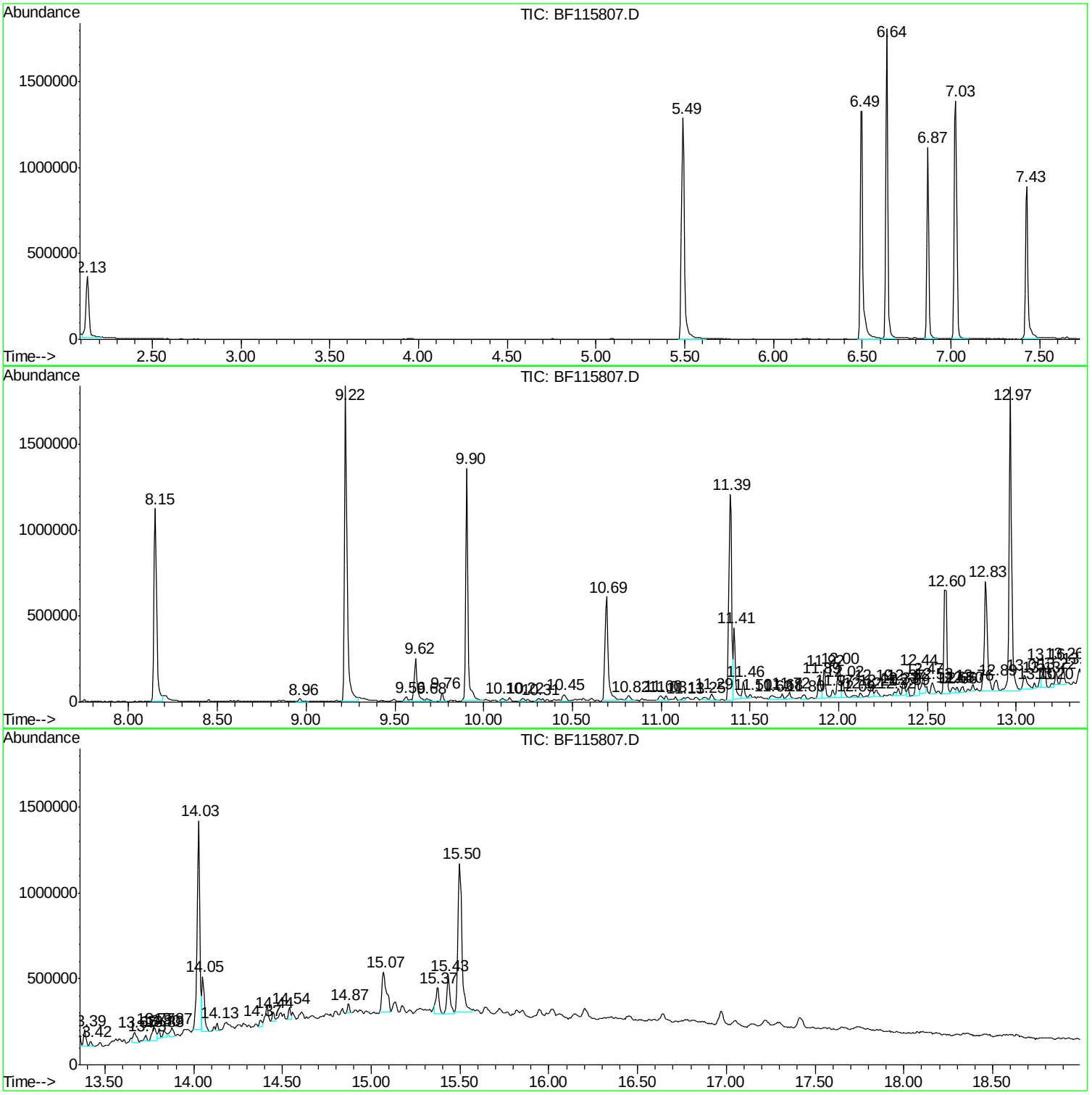
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115807.D
Acq On : 27 Jul 2019 00:31
Operator : HP/JU
Sample : K3620-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115807.D
Acq On : 27 Jul 2019 00:31
Operator : HP/JU
Sample : K3620-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

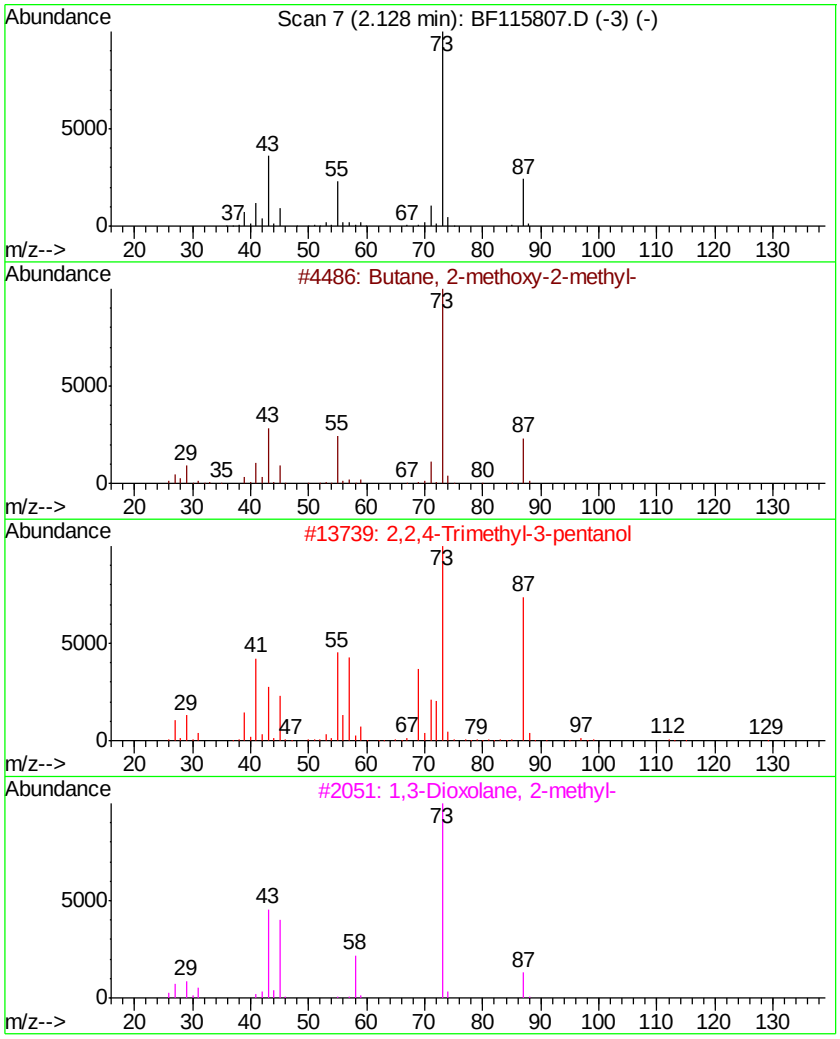
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

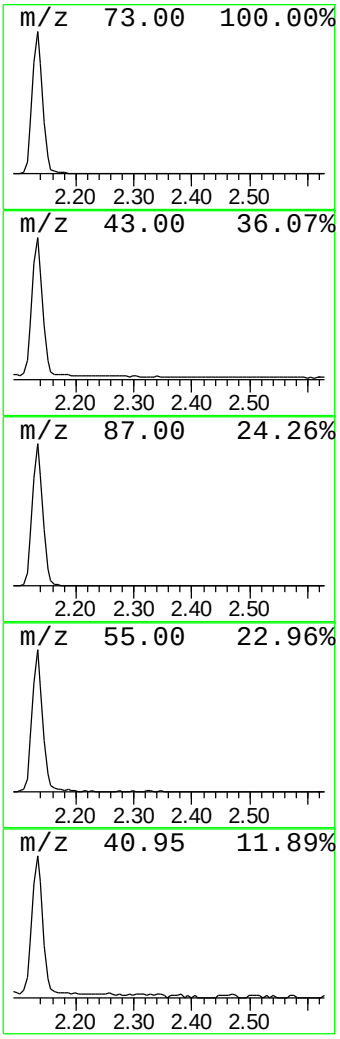
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	10.29 ng	469007	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115807.D
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Sample : K3620-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

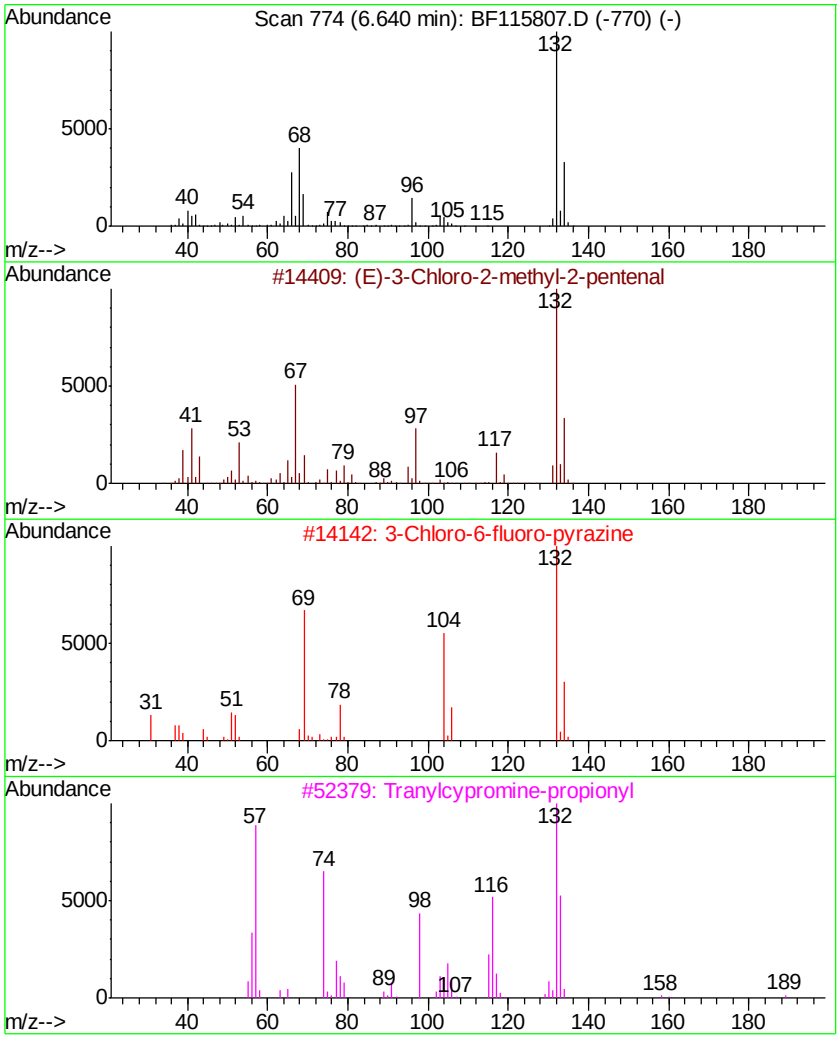
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

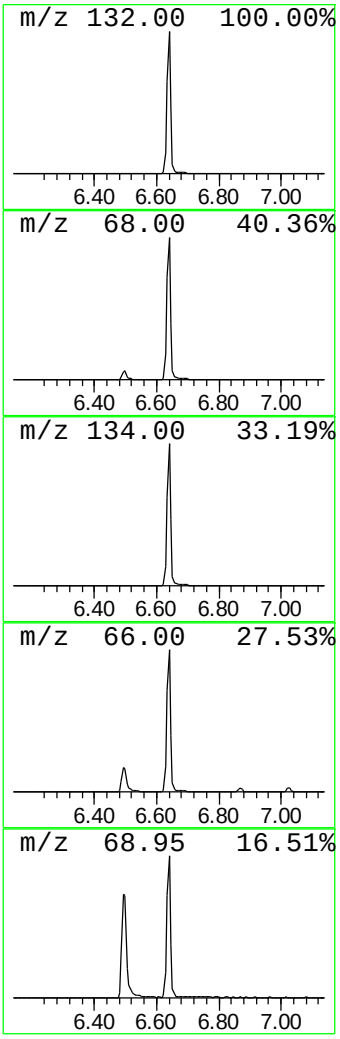
****

Peak Number 2 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	33.67 ng	1534570	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

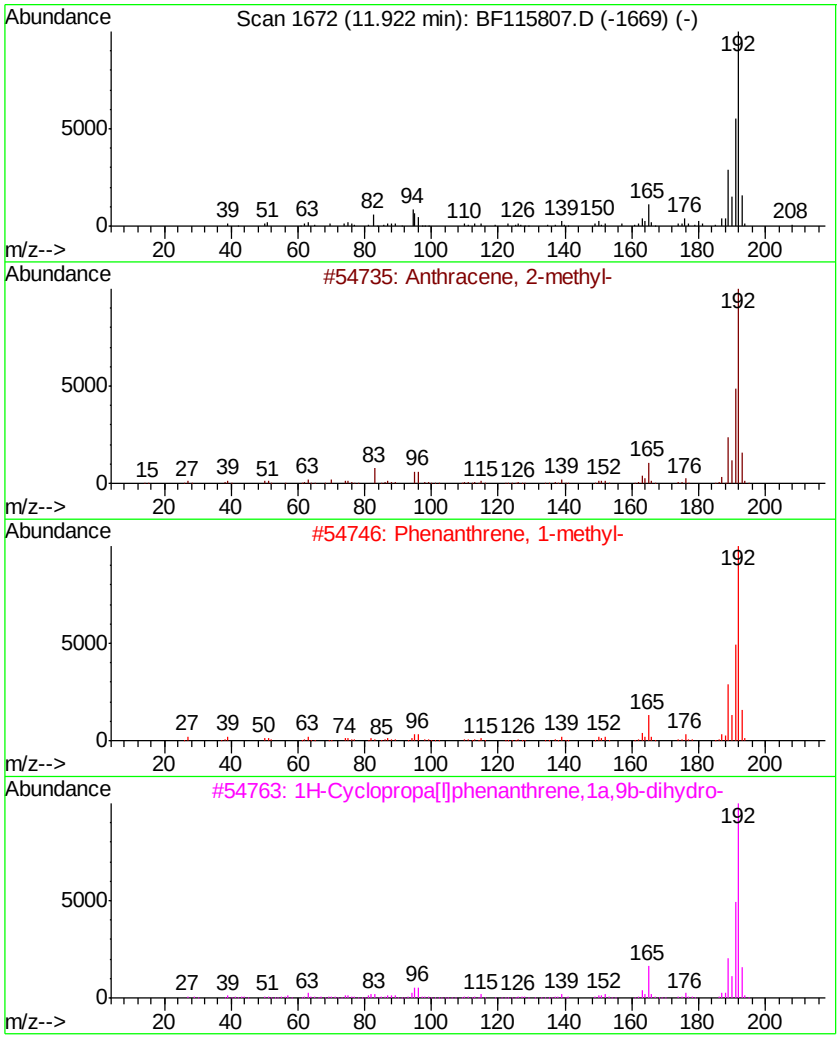
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

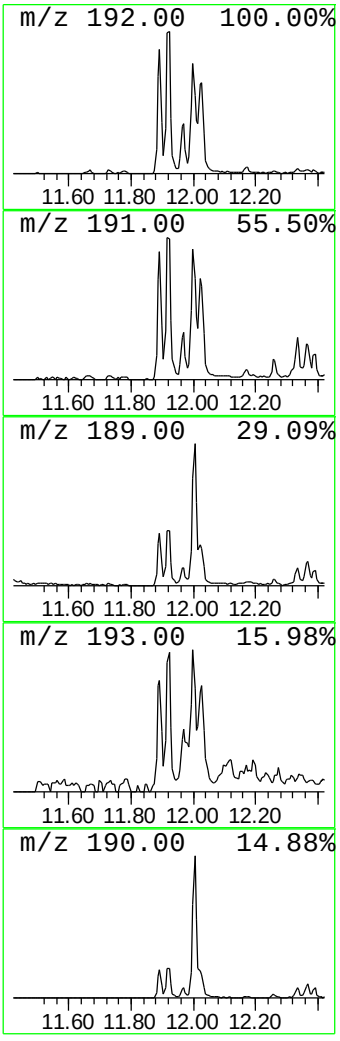
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.92 ng	178047	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Acq On : 27 Jul 2019 00:31
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Misc :
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Instrument : BNA_F
ClientSampleId : CL-02-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

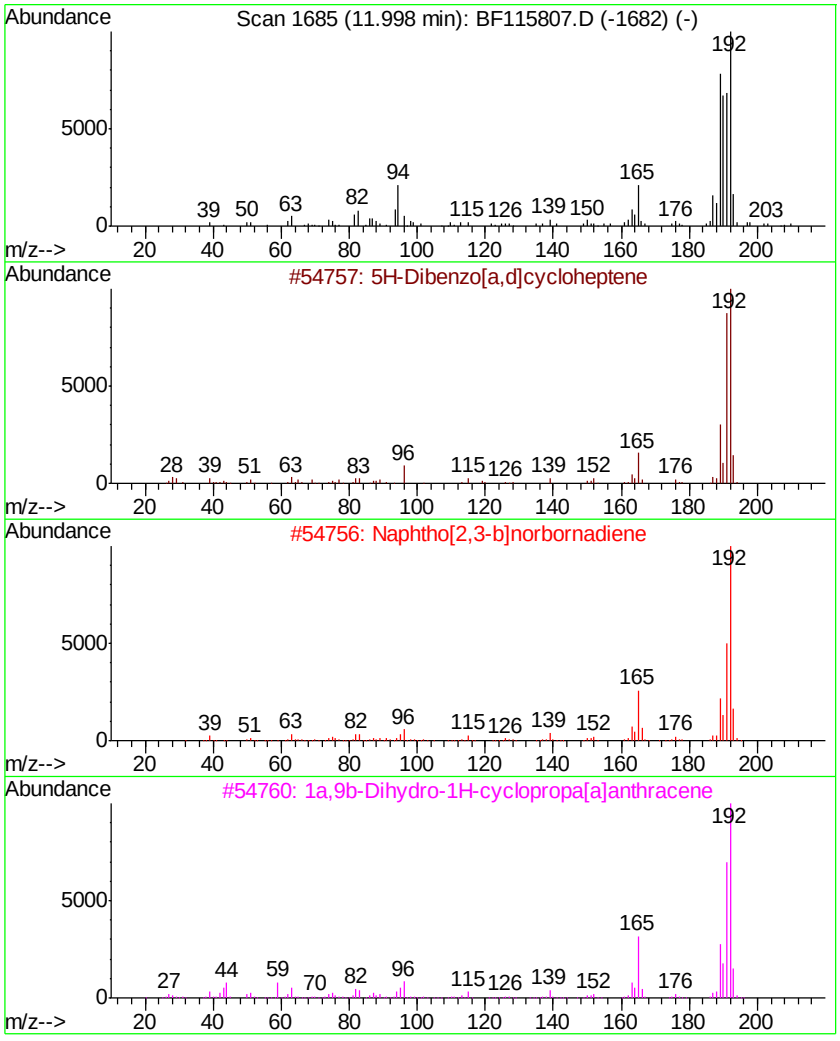
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

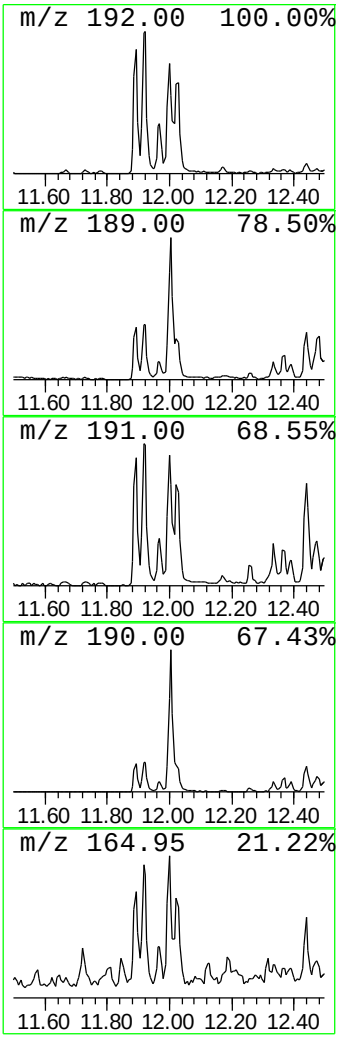
****

Peak Number 5 5H-Dibenzo[a,d]cycloheptene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.44 ng	209872	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115807.D
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Operator : HP/JU
Sample : K3620-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

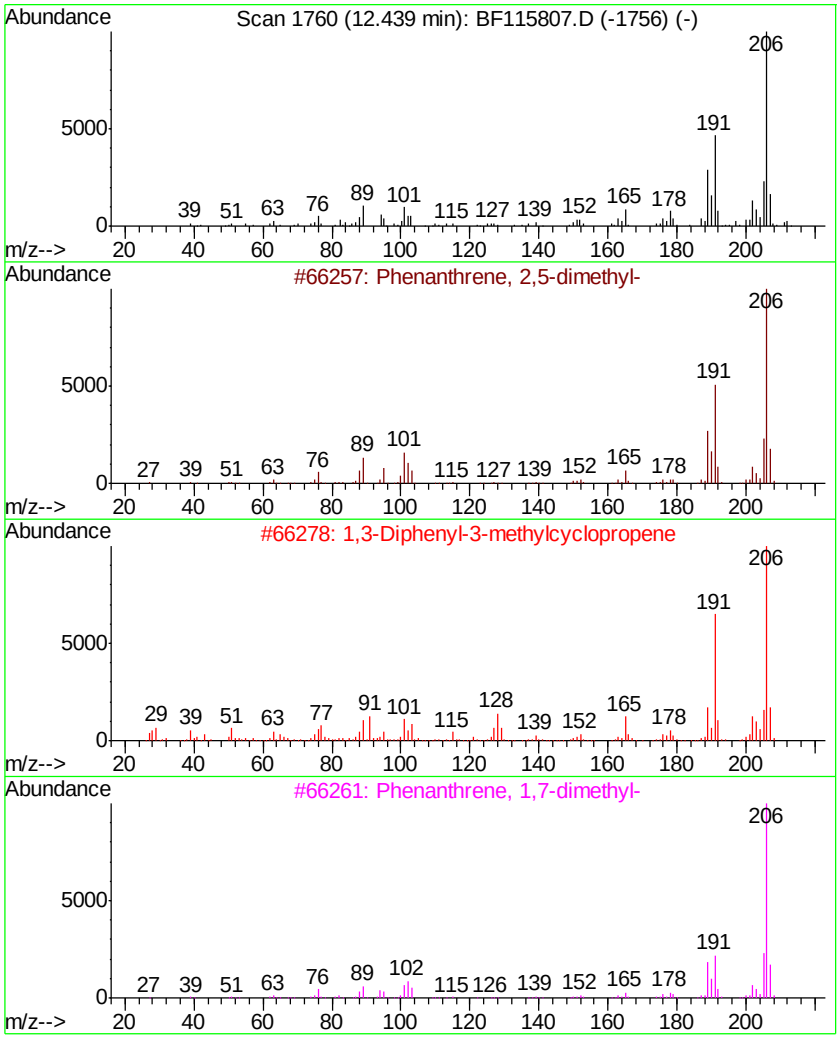
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

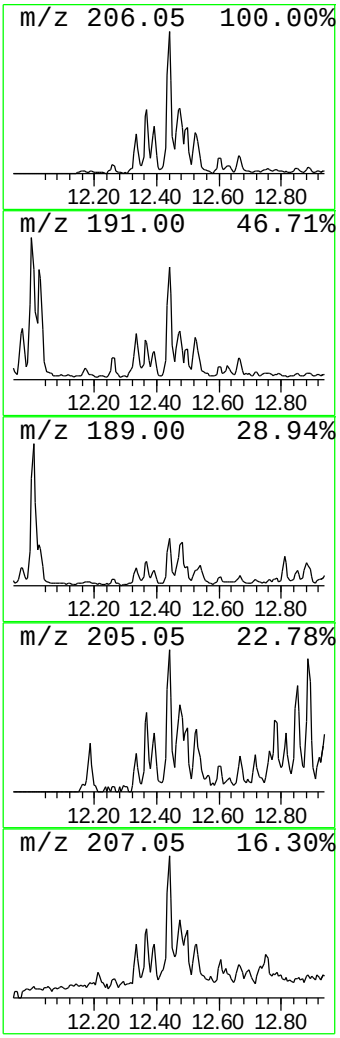
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	2.64 ng	161192	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115807.D
Acq On : 27 Jul 2019 00:31
Operator : HP/JU
Sample : K3620-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

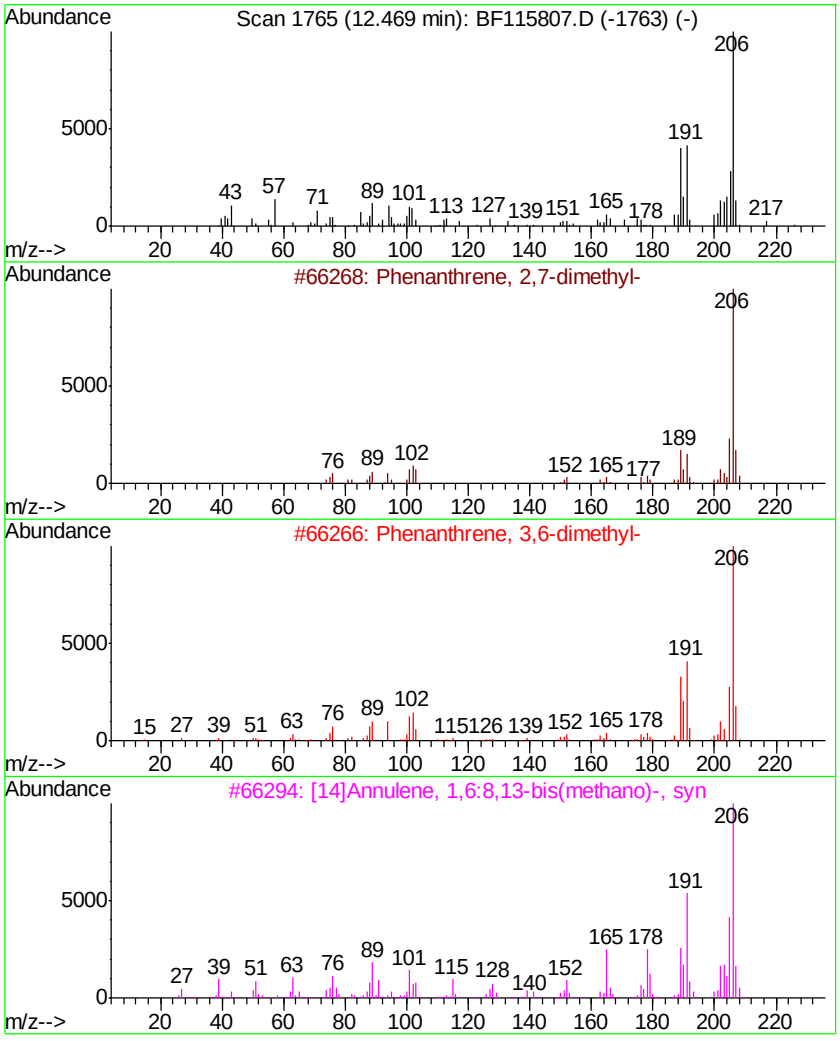
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

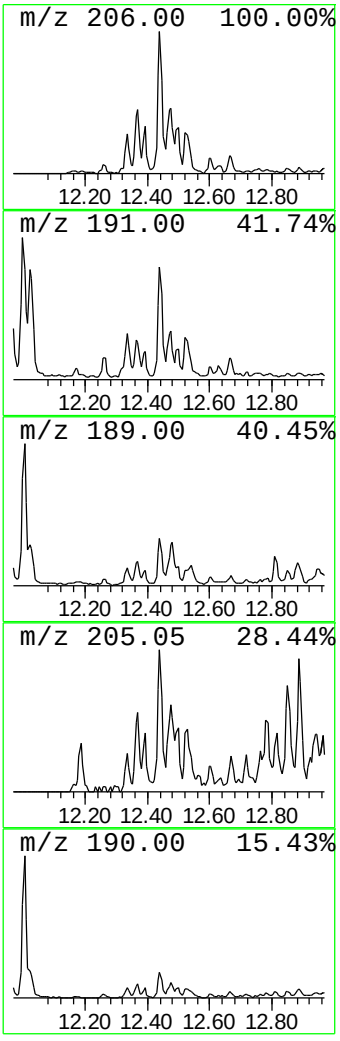
****

Peak Number 7 Phenanthrene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.06 ng	125642	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	62
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	52
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	50
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	49
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115807.D
Acq On : 27 Jul 2019 00:31
Operator : HP/JU
Sample : K3620-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

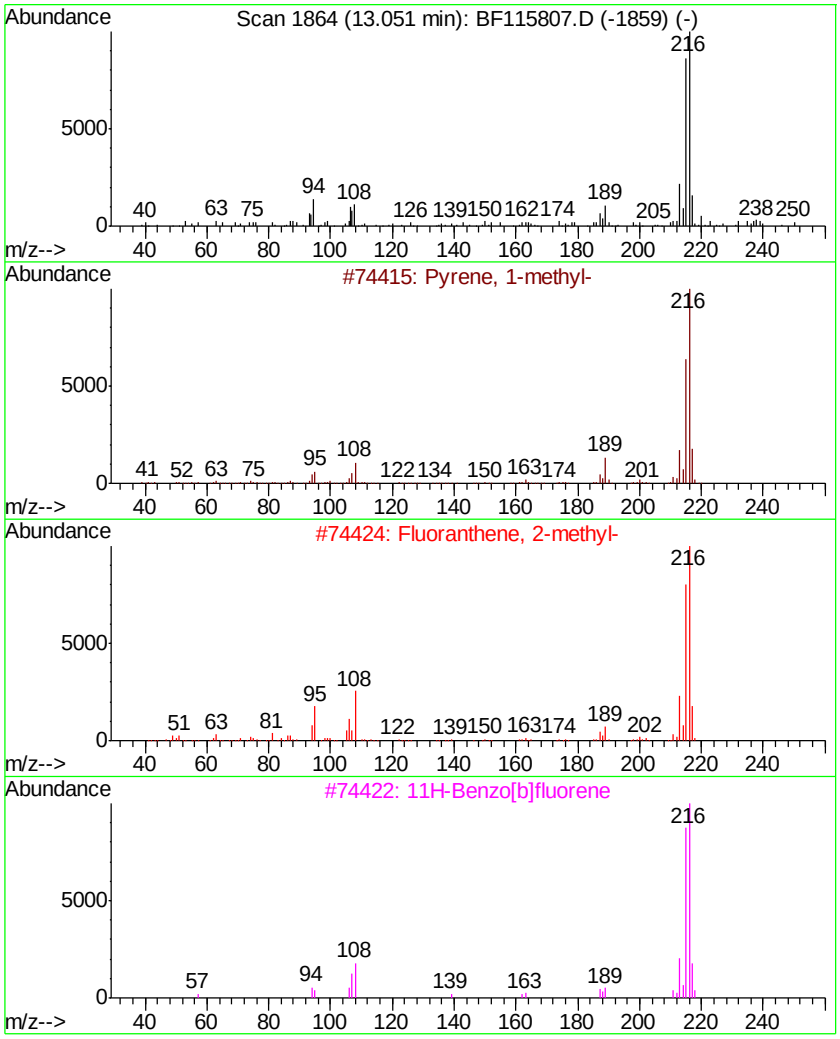
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

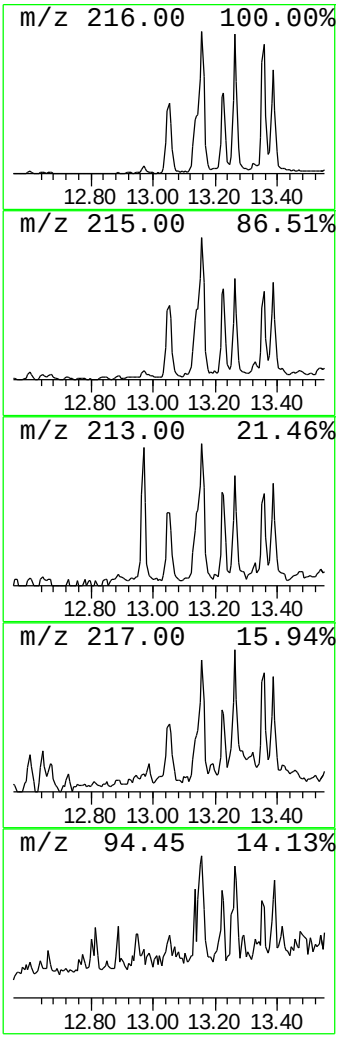
****

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	2.03 ng	143582	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072619\
Data File : BF115807.D
Acq On : 27 Jul 2019 00:31
Operator : HP/JU
Sample : K3620-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

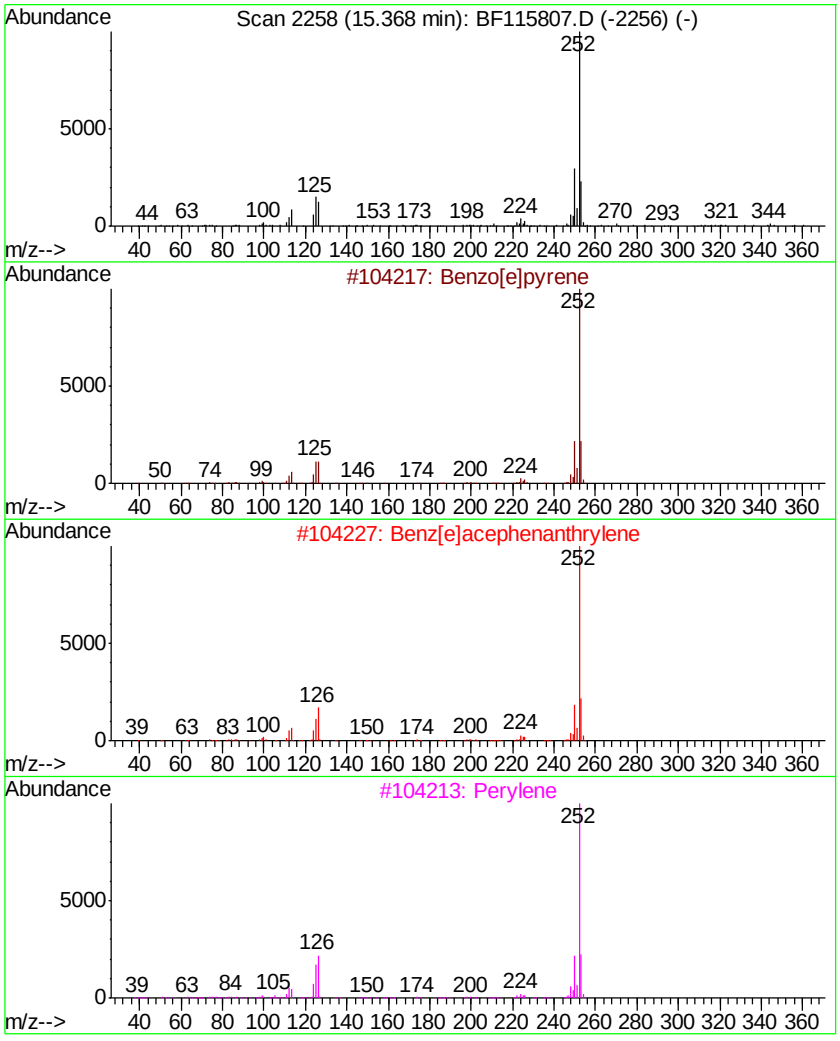
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

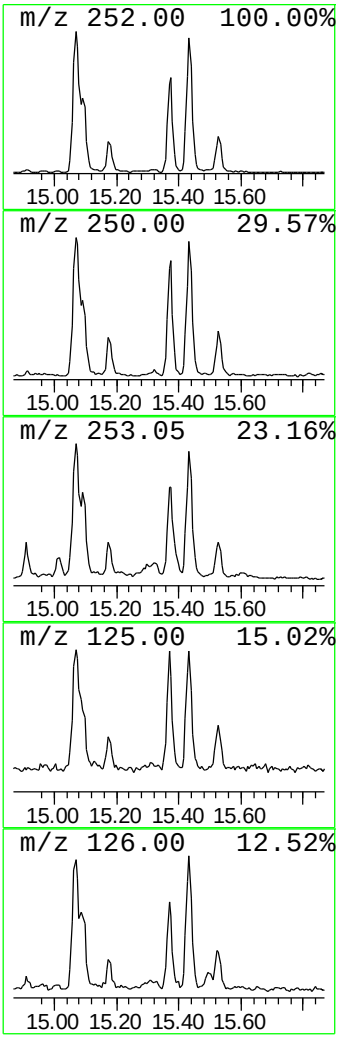
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	3.15 ng	198041	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072619\
Data File : BF115807.D
Acq On : 27 Jul 2019 00:31
Operator : HP/JU
Sample : K3620-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-072519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.13	10.3	ng	469007	1	6.87	911509	20.0
unknown6.64	6.64	33.7	ng	1534570	1	6.87	911509	20.0
Anthracene, 2-met...	11.92	2.9	ng	178047	4	11.39	1219330	20.0
5H-Dibenzo[a,d]cy...	12.00	3.4	ng	209872	4	11.39	1219330	20.0
Phenanthrene, 2,5...	12.44	2.6	ng	161192	4	11.39	1219330	20.0
Phenanthrene, 2,7...	12.47	2.1	ng	125642	4	11.39	1219330	20.0
Pyrene, 1-methyl-	13.05	2.0	ng	143582	5	14.03	1416030	20.0
Benzo[e]pyrene	15.37	3.1	ng	198041	6	15.50	1259350	20.0